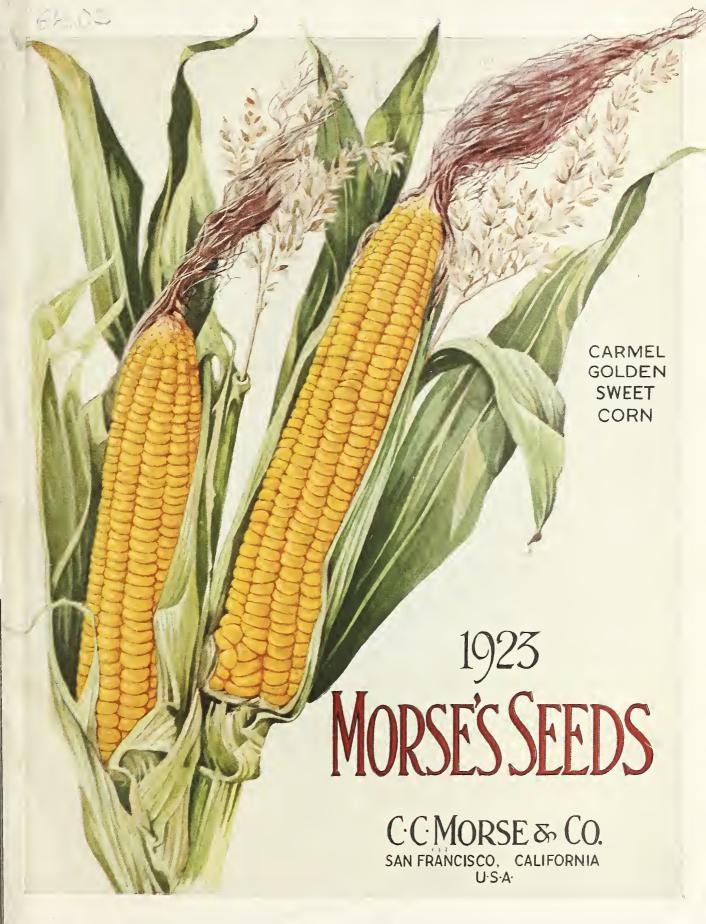
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Do not assume content reflects current scientific knowledge, policies, or practices.





C. C. MORSE & CO. SEEDS SAN FRANCISCO CALIFORNIA

POSTAGE OR EXPRESS CHARGES

C. C. MORSE & CO. deliver free all seed in packets, ounces, pounds, and 10-pound lots at prices given in this catalogue, everywhere within the Fourth Postal Zone from San Francisco. This includes all of California, Oregon and Nevada, the western part of Arizona and Utah. Where express is cheaper or safer, we reserve the right to send small orders by express prepaid instead of by mail, and large orders by freight. Please state "by mail only" if you so wish, and we will be guided accordingly. We aim to send to all R. F. D. addresses by mail only.

For more distant points the full advantage of our free delivery offer is retained. Merely add your weight in pounds, the additional amount in postage to the Fourth Zone rate which our free delivery covers. Thus the rate to Fifth Zone is 2 cents per pound additional, to the Sixth Zone 4 cents per pound additional, to the Seventh Zone 6 cents per pound additional, to the Eighth Zone 8 cents per pound additional. Remember that I pound packed weighs 2 pounds and allow accordingly on

orders for single pounds.

We do not pay any postage charges on anything except seeds. We do not deliver free any plants, trees, roots, or nursery stock, nor any bulbs (unless priced as postpaid), nor any insecticides, tools. implements, etc. Seed Grains, Grasses and Field Seeds are always quoted F. O. B. San Francisco.

HOW TO ORDER BY MAIL

YOUR NAME AND ADDRESS.—Be very sure that your name and address in full are written very plainly.

CASH WITH ORDER.—The proper way is to send remittance in full to cover order and postage. We send orders C. O. D. only if 25 per cent of the amount of order is enclosed. Plants we never send out C. O. D.

REMITTANCES should be made by Postoffice Money Order, Express Money Order, or
by Bank Draft on San Francisco. For amounts
up to \$1, clean, unused postage stamps will be
accepted. Coin should not be sent by mail.
Checks on local banks may be sent, which will
be a great convenience to many customers.
We do not accept responsibility for orders which
never reach us.

SHIPPING.—We will use our best judgment as to the best way of shipping goods when specific directions are not given. If special directions in shipping are needed, send them explicitly, and where express or freight office is different from post office, so state in space on our Order Sheet. Paris Green, Nico-Fume, and other poisons are not mailable, nor are liquids like Kerosene Emulsion and other insecticides; they must go by express or freight. Seeds do not pack well with nursery stock, because they are liable to get damp and become spoiled; it is better to have them shipped separately.

ZONE RATES may be had by application to your postmaster, who will tell you the zone which you are in with reference to San Francisco, or we will give you full information if you write us.

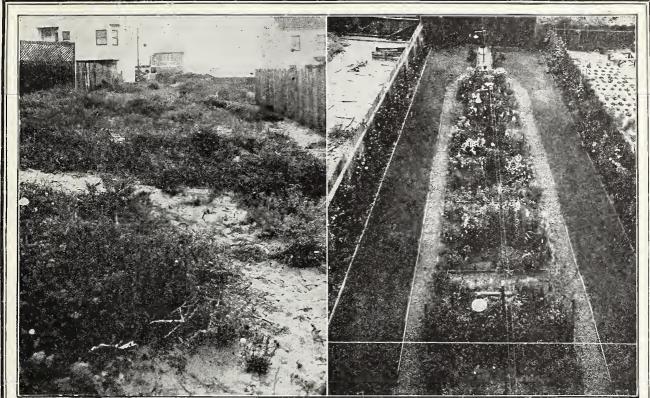
DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions	Pound or Fraction	Each additional pound or fraction
Zone 1. San Francisco and within 50 miles of San Francisco	5 cts.	I ct.
Zone 3. Within 150 to 300 miles of San Francisco	7 cts.	2 cts. 4 cts.
Zone 5. Within 600 to 1000 miles of San Francisco	9 cts.	6 cts. 8 cts.
Zone 7. Within 1400 to 1800 miles of San Francisco		10 cts. 12 cts.

NOTE.—There are so many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We will send out only seed which we believe will grow and produce the kind of plant and variety represented, but:

NON-WARRANTY: C. C. Morse & Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

November, 1922

C. C. MORSE & CO.



A MORSE GARDEN

Morse's Seeds and Plants Give Results

HE above pictures were taken at 664 41st Avenue, San Francisco, and show what can be accomplished in twelve months. Note the condition of the lot in the first picture, and the beautiful lawn, perennial border, and flower-beds in the second picture.

This garden is full of Sweet Peas, Pentstemons, Canterbury Bells, Coreopsis, Perennial Phlox, Marigolds, Snapdragons, Dianthus, Lobelias, Pansies, etc. Also, at very little cost, it is lighted with three electric lights, which gives it a pretty effect at night. This garden can be visited by our customers at any time.

Morse's Seeds Stand for Quality

All our seeds are thoroughly tested before being offered to the public, and we spare no expense in growing and procuring the very best strain in both vegetable and flower seeds, with the result that we have thousands of satisfied customers. Failures will result sometimes, but usually they are from conditions over which we have no control and the disregard of the necessary care when planting, depth of setting seed, climatic conditions, etc. But, to get the best results, we recommend the use of MORSE'S TESTED SEEDS planted according to instructions printed on each package.

We take it, from the fact that your name appears on our Seed Catalogue mailing-list, that you are interested in gardening or ranching, and hope to receive your kind inquiries and orders.

We shall endeavor to give you satisfaction and merit a continuance of your favors.

6. la morse obs.

MORSE'S NOVELTIES FOR 1923

PRICES ARE POSTPAID TO FOURTH ZONE

New Sweet Corn CARMEL GOLDEN

A well-developed strain of deliciously sweet, light yellow Corn, which is thoroughly acclimated and is therefore more desirable than easterngrown Sweet Corn for the Pacific Coast.

Although a selection from Golden Bantam, it has much thicker and larger ears, averaging 7 inches in length and bearing 12 rows of very sweet, tender kernels.

It differs from its parent in usually bearing light green tassels and leaves with no tint of brownish red.

The stalks are about 5 feet tall, and the strain is even and bears all evidences of being highly bred and of fixed characteristics.

The stock has been selected and developed in the Carmel Valley and everyone who has been fortunate enough to taste Carmel Golden wants it again.

Our stock of seed is limited and we can offer it only in small quantities. Pkt. 15 cts.; lb. 50 cts.

Two New Peas from Great Britain

British Lion. A semi-dwarf early variety with vines growing from 2½ to 3 feet tall. The vines and foliage are light green but the pods are dark green, large, and pointed. This variety somewhat resembles Gradus, but is not so tall, is a little later and much heavier cropper. Pkt. 15 cts.; lb. 50 cts.

The Lincoln. A dwarf Pea usually growing about 2 feet high. Both vine and pods are dark green and the pods very large, slightly curved, and well filled with 8 or 9 Peas of very fine sweet quality. The vines are very prolific, carrying pods clear to the top of the plant. As to season, it is a main-crop variety and particularly desirable for the garden or market. Pkt. 15 cts.; lb. 50 cts.

New Bean ROGERS' STRINGLESS REFUGEE

This Bean was developed and introduced by the famous Chicago Bean expert, and it has proved to be a variety of superior quality for the canner, the shipper, and the home-garden. It is a dwarf Bean with light green, pointed foliage, and bears moderately long, round pods of wonderful brittleness. It is entirely free from strings and even when past prime is still stringless and can be eaten when almost all other varieties would be past the eating stage. We recommend it for all planters and trust all our customers will give it a trial. Pkt. 15 cts.; lb. 50 cts.

Three Fine Tomatoes

FOR THE CANNER AND SHIPPER

Stone. A reselected, superior type of the well-known standard scarlet-fruited variety, developed and bred on our own farm. Our strain produces fruits a third larger and much more uniform in type both as to vine and fruit. It is a highly bred strain. Pkt. 15 cts.; ½0z. 75 cts.; oz. \$1.

Norton. Similar to Stone but selected, bred, and developed by the U. S. Dept. of Agriculture on their trial-grounds near Washington, D. C., for wilt-resistant qualities. The stock sent us some three years ago, while very vigorous and resistant, produced rather small fruits and seemed to produce too much vine. We began selecting on our own farm larger fruit and more prolific yield and now have a fine strain which we can offer in very moderate quantities only. Fruit is bright scarlet and globular. Pkt. 15 cts.; ½0z. 75 cts.; oz. \$1.

San José Canner. Super-select strain. Bred for smoothness, weight, solid flesh, and brilliant scarlet fruits. We can offer a limited quantity of this strain from our own farm, every fruit of which was carefully examined and selected. Pkt. 15c.; ½20z. 75c.; oz. \$1.25.

Morse's Vegetable Seeds · 1923

Prices are postpaid to the Fourth Zone on seeds at our ounce, 1/4-pound, pound, and 10-pound rates

The proper distances to set rows of the different plants in gardens will be given with each sort. Do not overcrowd but leave space for good development. Sow small seeds of vegetables not over ½ inch deep and keep soil regularly moist by watering. Remember that no seed can come up through a crust caused, for instance, by a north wind. Replanting in such a case will probably be necessary. Plants which require heat will not start in damp, cold ground; wait till conditions are better or choose another situation. Firm the soil after planting. Watch for cutworms and slugs. Keep the ground cultivated and crops growing fast. This means tender vegetables.

Well-known standard varieties which have been thoroughly tried and can be depended on are indicated by larger type

ARTICHOKES

Large Green Globe. Large, globular, deep green variety. Cultivated for its eatable bud. Bears from seed in two years. Transplanting plants listed on page 20.

JERUSALEM, or TUBEROUS-ROOTED. Entirely distinct from the Green Globe variety. Grown for their potato-like roots, which are valuable for hogfeed, but can also be used as a table vegetable. Tubers, lb. 20 cts.; 10 lbs. \$1.50.

Write us for prices on larger quantities **ASPARAGUS**

To raise plants from seed will require one ounce for about 800 plants. Sow early in spring, in drills 12 to 14 inches apart, and thin out to about 3 inches in the row. Allow plants to grow two full seasons and then transplant to permanent beds. For field-culture, rows should be about 6 to 10 feet apart, and for garden culture, 4 feet.

Conover's Colossal.

A standard variety for all purposes. Good also for home-growing. It makes large thick, white shoots of delicious flavor. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

BARR'S MAMMOTH. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

Palmetto. One of the most popular varieties grown and especially good for shipping and canning. Shoots are light green, slightly tinted pink. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

COLUMBIA MAMMOTH WHITE. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

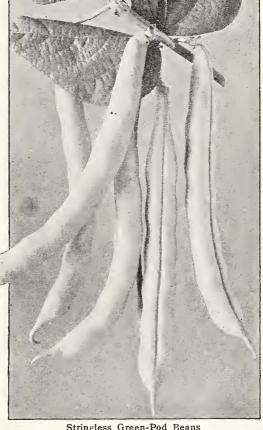
For Asparagus Roots, see page 20, listed under Vegetable Plants

BEANS

DWARF OR BUSH GREEN-PODDED

Beans require a light, friable soil, with plenty of moisture, and they are very sensitive to frost. In California they should not be sown earlier than April 15. In the garden the soil should be made mellow and rich, and kept so, and all pole varieties should be provided with poles or a trellis on which to climb. For a garden crop plant String Beans in succession every four weeks throughout the season. Sow in rows 18 to 24 inches apart, and cover from 1 to 2 inches deep, but not more. Keep the pods picked and the vines well watered and the Beans will continue bearing much longer than if the vines are allowed to become dry. Hoe the rows occasionally.

For farm crop plant about 25 pounds Pole Beans per acre, in rows 36 inches apart; plant Bush Beans about 35 pounds per acre in rows 24 inches apart. Heavy clay or adobe soils are not best for Beans. For the home-garden there should be a succession of five or six varieties to provide the table with early, medium and late Beans.



Stringless Green-Pod Beans

Our packets of Beans sell for 15 cents, but remember that you get 15 cents worth and not one ounce of seed as in some packets selling for 5 and 10 cents. These prices are postpaid to Fourth Zone. Write for special prices on large quantities.

New Bean, Rogers' Stringless Refugee. For description and prices see

Black Valentine. A long-podded, green variety, recommended for shipping and for table. Pods are straight, early, and of good quality, but must be picked young. Popular in some sections on account of its exceptional blight-resisting qualities. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

ENGLISH or BROAD WINDSOR. This is not a String Bean of any sort, but a very well-known, popular variety with many farmers. Familiarly known as the Horse Bean. Pkt. 15 cts.; lb. 20 cts.; 10 lbs. \$1.50.

EXTRA-EARLY RED VALENTINE. A popular variety. Erect vine with dark green leaves. Pods of medium length, fleshy, round, and saddle-backed, with only slight strings. Seed pink, marbled with red. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

EARLY MOHAWK. A very hardy variety. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

EXTRA-EARLY REFUGEE. A very early, green-podded variety, with medium-sized, green, fleshy pods. Seed drab, freely spotted with dark purple. Their color is lighter than most of the green Beans. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

FRENCH STRING BEAN. A hardy, green-podded variety, with black seed. A good shipper and a popular String Bean in the San Francisco market. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Refugee, or 1,000-to-1. There is no dwarf Bean so prolific as our selection of Refugee. As many as 150 pods are sometimes found on one vine. These pods are long and green, becoming lighter in color as they mature. Not an extraearly Bean, but a hardy one and an extra-heavy bearer. Its quality is good. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Stringless Green-Pod. The very best quality. We have a selection of this favorite Bean which is absolutely stringless. The pods are very tender, thick, meaty and long. The plants bear well and always give satisfaction. Seed brown. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

MORSE'S TENDER POD. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

BEANS, DWARF or BUSH WAX-PODDED

These dwarf Beans have creamy white, yellow, or golden yellow pods. Most of the varieties listed are stringless. The selection of waxor green-podded varieties is purely a matter of choice. The wax-podded varieties look very beautiful on the table, but as they show bruises
in handling they are less frequently seen in the markets. Both classes are easily grown. In regard to sending by express, freight, or parcel
post, see inside of front cover.

WRITE US FOR PRICES ON LARGER QUANTITIES

Improved Rust-Proof Golden Wax. Quite rust-proof, rather hardier than Golden Wax, and the pods are broader and fatter. Seed white, somewhat spotted with purplish red. This Bean is a fine upright-growing variety. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

CHALLENGE BLACK WAX. One of the standard wax Beans. Of excellent quality and very prolific. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Golden Wax. One of the best and handsomest Beans in cultivation. Pods are long, nearly straight, broad, flat, and golden yellow. Seed white, more or less covered with two shades of purplish red. None will be found better in all ways than our selection of Golden Wax. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

PROLIFIC BLACK WAX. An improvement on the old Black Wax or Butter Bean. Very vigorous and prolific. Pods long, golden yellow, very brittle, and stringless. Seed black. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

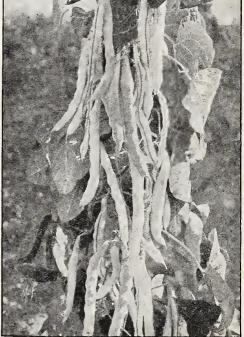
BEANS, POLE or RUNNING GREEN- AND WAX-PODDED

These Beans require a pole or trellis to climb on if planted in the garden, although when raised as a seed-crop they need no support. Pole Beans are very prolific and bear longer pods and a great many more than the bush varieties. For support, set the poles well in the ground and use wire or string. Plant five to nine Beans in each hill, covering to a depth of 2 inches, and irrigate well. Save only the best three or four plants.

BURGER'S GREEN-POD STRINGLESS POLE, or WHITE-SEEDED KENTUCKY WONDER. A new pole variety of great merit. Bears long, green, brittle, stringless pods of excellent flavor. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

HORTICULTURAL, or SPECKLED CRANBERRY. An old favorite. Pods short, pale green, becoming splashed with brownish red. Seed blush-pink, spotted with red. Valuable either green or dry, shelled. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

INDIAN CHIEF, or TALL BLACK WAX. A blackseeded wax variety with thick, golden yellow pods. Very hardy and prolific, and the most popular of all pole Wax Beans. Pkt. 15c.; lb. 40c.; 10 lbs. \$3.50.



Kentucky Wonder Pole Beans

Kentucky Wonder. The best and most popular of the pole varieties and should be in every garden where Beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, round, and fleshy, dark green in color and absolutely stringless, showing no sign of toughness. The seed is brown and rather long. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

KENTUCKY WONDER WAX. An excellent variety and one of the very best yellow Pole Beans. The pods are long, very thick, meaty, deeply saddle-backed, entirely stringless. The vine is thrifty and very prolific. Seed deep brown. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

LAZY WIFE. A green-podded variety bearing good, long pods in clusters, stringless and of peculiarly fine flavor. Seed rather large, thick, and white. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

SCARLET RUNNER. The well-known and old-fashioned climber, having bright scarlet, pea-like flowers. It not only holds its place as a flower, but the pods, when young, are of fine quality for cooking. Scarlet Runners bear well in San Francisco. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

WHITE CREASEBACK. An early, green-podded variety. Pods 5 to 6 inches in length, deeply creased or saddle-backed, and borne in clusters; very fleshy and stringless. Seed white and can be used as a shelled Bean for winter use. Can often be grown without poles, as the variety is not such a long climber. Is often called Blue Lake Creaseback, and is a fine canning Bean. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

WHITE DUTCH CASE-KNIFE. A climbing variety with long, flat, irregular pods which become creamy white as they mature. Seed broad, flat, and clear white. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

BEANS, LIMA

Lima Beans are delicious when used green, shelled, and can be grown for this purpose in any climate. Sow bush sorts in 24-inch rows and pole varieties in hills 4 feet each way. Sow late after ground is well warmed in spring. Limas will not thrive planted in overmoist soil. Have the ground well prepared and well warmed, but do not water when planting.

BUSH VARIETIES

BURPEE'S IMPROVED BUSH. The dried Beans generally show a greenish white coloring and are quite thick. Pkt. 15c.; lb. 40c.; 10 lbs. \$3.50.

Burpee's Bush. Well-known dwarf variety; pods large and the Beans heavily ribbed. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Fordhook Bush. The Beans are round and thick, of mild, delicious flavor.

Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

HENDERSON'S BUSH. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

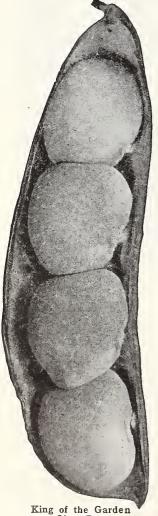
POLE VARIETIES

CHALLENGER, or DREER'S POLE. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

EARLY LEVIATHAN. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

King of the Garden. One of the best and most popular maincrop varieties. It is medium early and has pods 5 to 6 inches long, which are well filled with goodsized Beans. Pkt. 15c.; lb. 40c.; 10 lbs. \$3.50.

SIEBERT'S EARLY. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.



Lima Bean

BEETS FOR TABLE AND FARM

Beets are divided into three classes: Table, Mangels, or Stock-Feeding, and

Sugar.

For table use the seed can be sown in California any time after January 1, and
For table use the seed can be sown in California any time after January 1, and be rich and moist to get quick growth, which is essential to crisp, tender flesh. Sow in rows 12 inches apart and thin by using the small Beets for greens until they stand 3 to 4 inches in the row.

PRICES ARE POSTPAID TO FOURTH ZONE

TABLE VARIETIES

Crosby's Egyptian.
The best known and most popular variety. Very early and of fine quality. Globe-shaped; bright red with clear vermilion flesh. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

Detroit Dark Red. An extra-fine Beet, and the one we recommend for all garden purposes. Globe-shaped; bright, but rich red flesh. Tops small, and green. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EARLY ECLIPSE. A fine, early table Beet, Top-shaped or tapering; flesh deep crimson, zoned with pink, crisp and sweet. Pkt. 10 cts.; oz. 20 cts.; 1/4lb.

EARLY BLOOD TURNIP. A good variety for summer and autumn use. Is turnip-shaped, with bright red flesh, showing zones. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

HALF-LONG BLOOD. A half-long variety about 8 inches long and tapering abruptly. Very rich, deep red flesh of fine quality. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EXTRA-EARLY EGYPTIAN. A flattish, turnip-shaped variety with dark red flesh, showing zones of a lighter shade. Dark leaves. A good table Beet and very early. Pkt. 10 cts.; oz. 20 cts.; ½1b. 45 cts.; lb. \$1.25.

LONG SMOOTH DARK BLOOD. A very desirable variety for light soils, where roots are easy to dig. Skin very dark brownish red; flesh deep blood-red. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

Early Wonder. A refined, even strain of an early globe Beet with rich crimson-scarlet flesh. Pkt. 10 cts.; oz. 20 cts.; 1/4lb.50 cts.; lb.\$1.50.

MANGEL-WURZEL or STOCK BEETS

Write us for prices on larger quantities

CHAMPION YELLOW GLOBE. A large, round, orange-yellow variety. Good for shallow soils. Pkt. 10 cts.; lb. 60 cts.; 10 lbs. \$5.

Giant Yellow Intermediate, or GATE-POST. A large, oval-shaped Beet, with white flesh, zoned with yellow. Pkt. 10 cts.; lb. 60 cts.; 10 lbs. \$4.75.

Golden Tankard. Yellow-fleshed. Grows partly above ground. The flesh is very solid, yellow, zoned white. Makes a fine feed, and cattle do not tire of it. Pkt. 10 cts.; lb. 70 cts.; 10 lbs. \$6.50.

Mammoth Long Red. The largest of all the Mangels and the heaviest cropper. Skin is red; flesh white, zoned with red. This variety produces a larger amount of good feed than any other Beet, and is recommended as superior to all others. Pkt. 10 cts.; lb. 70 cts.; 10 lbs. \$6.50.

RED ECKENDORF. Particularly recommended for planting for stock on a large scale since the root grows largely above ground and can be kicked over without the necessity of being plowed out. The quality is first class and dairymen are using it in large quantities. Pkt. 10 cts.; lb. 75 cts.; 10 lbs. \$7.

RED GLOBE. Pkt. 10 cts.; lb. 75 cts.; 10 lbs. \$7.

YELLOW ECKENDORF. Pkt. 10 cts.; lb. 75 cts.; 10 lbs. \$7.

YELLOW LEVIATHAN. Pkt. 10 cts.; lb. 70 cts.; 10 lbs. \$6.50.

SLUDSTRUP. A giant, oblong, yellow variety. Pkt. 10 cts.; lb. 70 cts.; 10 lbs. \$6.50.

SUGAR BEETS

GIANT HALF-SUGAR, GREEN TOP. A Beet which is superior to mangels for stock-feeding purposes, as it is more nutritious, having a large amount of sugar. It is oval in shape and grows partly out of the ground; size large and yields enormously. Pkt. 10 cts.; lb. 70 cts.; 10 lbs. \$6.

KLEIN WANZLEBEN. For sugar-making. Contains a large percentage of sugar. Pkt. 10 cts.; lb. \$1; 10 lbs. \$7.50.

LANE'S IMPROVED IMPERIAL SUGAR. Pkt. 10 cts.; lb. \$1.20; 10 lbs. \$9.50. VILMORIN'S IMPROVED SUGAR. Pkt. 10 cts.; lb. \$1.25; 10 lbs. \$10.

WHITE SUGAR ROSE-TOP. For feeding stock. A very hardy variety producing large crops with little care. The root is large and very rich in sugar, and while not sufficiently so for sugar purposes, it makes a remarkably fine, rich food for stock. Pkt. 10 cts.; lb. 70 cts.; 10 lbs. \$6.50.



SWISS CHARD (Sea Kale Beet)

The same plants sprout after cutting and give several crops each year. The broad stems are used for salad, like asparagus. A prolific and much-used greens for chickens.

LARGE RIBBED WHITE. Sometimes called "Spinach Beet." Used for greens for chickens by cutting the stem and leaf, which are also very ornamental. It resembles an ornamental beet top, but has no edible root. May be used as a salad or cooked greens. Pkt. 10 cts.; oz. 20 cts.; \(\frac{1}{4}\)lb. 60 cts.; lb. \$1.75.

GIANT LUCULLUS. A new variety with handsome, crumpled and savoyed light green leaves. Good table variety. Pkt. 10 cts.; oz. 20 cts.; ½1b. 60 cts.; lb. \$1.80.

BRUSSELS SPROUTS

The plants are very hardy and grow from 2 to 3 feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cabbage heads, which are broken off and cooked the same as cabbage. The sprouts mature in succession. Sow early so as to have well-grown plants by fall. Cultivate the same as for cabbage.

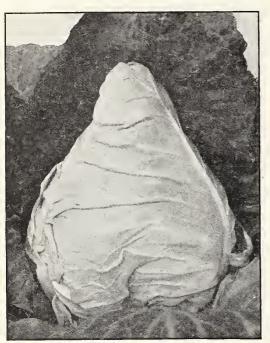
AIGBURTH. One of the most highly recommended of half-dwarf varieties. The side buds are perfectly formed, tight heading, and uniform in size. Pkt. 10 cts.; oz. 50 cts.; \(\frac{1}{4}\)lb. \$1.50; lb. \$4.50.

IMPROVED HALF DWARF. Grows 2 to 3 feet high and is well covered with small, firm sprouts. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

BROCCOLI

Should be treated the same as cauliflower, which it resembles. In fact, it is practically a cauliflower, but grows larger and taller and is hardier and easier to grow. It requires two months more time to mature, which it does best in cool weather. Plant and cultivate the same as cabbage or kale and give plenty of water.

EARLY LARGE WHITE. Heads very large and pure white. Pkt. 10 cts.; oz. 90 cts.; 1/4lb. \$3; lb. \$9. PURPLE CAPE. Pkt. 10c.; oz. 90c.; 1/4lb. \$3; lb. \$9. ST. VALENTINE. Forms splendid large white heads and is largely grown for market. Good shipper. Pkt. 15 cts.; oz. \$1.50; 1/4lb. \$5; lb. \$20.



Early Winnigstadt Cabbage

CABBAGE

Good Cabbages are to be had at all seasons of the year in some parts of the country, and seed can be planted almost any time of the year. However, there are three good seasons for sowing the seed: In September for late winter and early spring Cabbages, in March for summer and fall Cabbages, and in June and July for winter Cabbages. The seed sprouts quickly and is likely to come up very thick in the seedbed. It should be thinned early and each plant given plenty of space or the plants will become spindling, and then do not head well. Never let the plants get checked by drought. Transplant to the field when 4 to 5 inches high, and press the soil closely about the plants. They should be put 18 to 24 inches apart, in rows 24 to 36 inches apart. To prevent the heads splitting open in the field before they are ready to be harvested, the plants should be loosened a little at the root. Cabbages require considerable moisture, but too much water causes them to rot very readily.

EXTRA-EARLY VARIETIES

EARLY JERSEY WAKEFIELD. One of the best and most popular early varieties. Forms roundish, pointed heads of good size. Is very hardy and on account of its thick outside leaves is able to resist cold and other unfavorable conditions to a great extent. Pkt. 10 cts.; oz. 35 cts.; ½lb. \$1; lb. \$3.50.

EARLY SPRING. Very early flat-headed variety; medium sized. Good for summer use. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.50; lb. \$5.

Early Winnigstadt. A decidedly pointed head of good size and fine quality—the most sharply pointed of all Cabbages. One of the hardiest varieties, resists cold, wet and insect pests to a degree which makes it very desirable. We recommend it as one of the best early varieties. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

LARGE EARLY WAKEFIELD (CHARLESTON). Is very similar to Early Jersey Wakefield, but nearly a third larger and a little later. Pkt. 10 cts.; oz. 40 cts.; ¹/₄lb. \$1.35; lb. \$4.

SECOND-EARLY VARIETIES

COPENHAGEN MARKET. Undoubtedly the best Cabbage for all conditions. Good for market-growing and home-garden. Heads medium sized, firm, and round. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

EARLY DRUMHEAD. Round, flat heads. Excellent for the homegarden or market. Pkt. 10 cts.; oz. 40 cts.; ½lb. \$1.35; lb. \$4.

EARLY DWARF FLAT DUTCH. A good flat-headed variety, with short stems and hard, firm head. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

ALLHEAD EARLY. One of the best early, large, flat-headed varieties. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

FOTTLER'S BRUNSWICK. One of the most popular of the flat-headed types, especially with the home gardener. Best for fall and winter. Pkt. 10 cts.; oz. 50 cts.; ½4b. \$1.65; lb. \$5.

HENDERSON'S SUCCESSION. Is about 10 days later than Early Summer. Is a dwarf, flat head, light green, and very solid. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.50; lb. \$5.

HENDERSON'S EARLY SUMMER. A desirable, medium-sized, early, flat-headed variety. A good keeper and does well in summer and autumn. Pkt. 10 cts.; oz. 50 cts.; ½lb. \$1.65; lb. \$5.

EARLY FLAT DUTCH. An early, hard-heading variety of fine quality and a standard type. Pkt. 10 cts.; oz. 40 cts.; ½lb. \$1.35; lb. \$4.

WINTER VARIETIES

AUTUMN KING, or WORLD BEATER. Pkt. 10 cts.; oz. 65 cts.; 1/4lb. \$2; lb. \$6.

BURPEE'S SUREHEAD. One of the best varieties. Large, round, slightly flattened head; hard and firm. Pkt. 10c.; oz. 50c.; 1/4lb. \$1.65; lb. \$5.

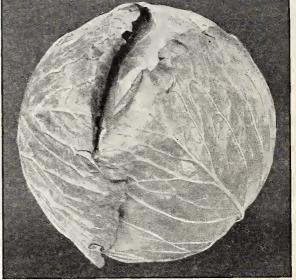
DANISH BALLHEAD, or THE HOLLANDER. A very late variety, forming globular heads; very hard and solid. Keeps well and is a good shipper. The color is bluish green. Pkt. 1'0c.; oz. 50c.; 1/4lb. \$1.65; lb. \$5.

DANISH ROUNDHEAD. A short-stemmed Danish Ballhead, having all the good qualities of its progenitor and being nearly two weeks earlier. A main-crop variety. Pkt. 10 cts.; oz. 50 cts.; ¼lb. \$1.65; lb. \$5.

PREMIUM LATE FLAT DUTCH. A well-known, large, late variety. Flattish round heads, very solid and firm; has rather tall, stout stem. Pkt. 10 cts.; oz. 40 cts.; ¼lb. \$1.35; lb. \$4.

RED CABBAGE

MAMMOTH ROCK RED. Best hard-headed red variety. Large heads, globular; very solid and very deep red on top. Outer leaves greenish red, large, and spreading. Especially used for pickling and preferred by many. Pkt. 10 cts.; oz. 50 cts.; ½1b. \$1.65; lb. \$5.



Copenhagen Market Cabbage

SAVOY CABBAGE

PERFECTION DRUMHEAD SAVOY. A variety that is much prized in Europe and also by those who are familiar with it in this country. It is very sweet and crisp and always tender. Heads medium-sized and fairly compact. Pkt. 10 cts.; oz. 50 cts.; ¼lb. \$1.65; lb. \$5.

CHINESE CABBAGE

Wong Bok. This is the large white strain of Pe-Tsai. The culture for Wong Bok is the same as for winter Cabbage. Pkt. 10c.; oz. 50c.; 1/4lb. \$1.65; lb. \$5.

CARDOON. Pkt. 10 cts.; oz. 40 cts.; ½lb. \$1.25. CHERVIL. Pkt. 10 cts.; oz. 45 cts.; ½lb. \$1.35. CHIVES. Pkt. 15 cts.

CARROTS FOR TABLE AND STOCK

PLANT EVERY 4 WEEKS DURING THE YEAR

Good, sandy loam is best adapted for Carrots of all varieties. The shorter varieties, however, can be sown on heavier lands with good results. For garden, sow the early and short varieties at any time after January 1 and repeat often for a succession of tender roots. For general crop, sow in the open field about April 1, using four to six pounds per acre for rows 16 to 18 inches apart. While you get a good uniform root by thinning the young plants, it is not necessary to do so to get a crop of good, average Carrots. In most parts of California Carrots can be grown any time of the year.

Chantenay, or MODEL. The roots are 5½ inches long, stump-rooted, and a deep orange-red in color. Good for bunching and selling on the market. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

DANVER'S HALF-LONG. The best variety for general purposes and the most largely used. The perfect type is about 8 inches long and about 2½ inches wide at the shoulder, tapering to a sort of half-point at the bottom. Color is a bright orange-scarlet. It is a very heavy cropper. Pkt. 10 cts.; oz. 20 cts.; ½1b. 45 cts.; lb. \$1.25.

French Forcing. This is a delicious small table Carrot, round and about 11/4 inches in diameter. It is sweet and much grown by the Italian market-gardeners. Color light scarlet. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

IMPROVED SHORT WHITE. Much grown for stock feed because of its enormous production. The true type is very thick in the middle and should not taper abruptly from the shoulder. Easy to dig in adobe soils. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 40 cts.; lb. \$1.

Long Orange. A good heavy cropper for light soils where roots can be easily dug. The strain we offer is bright orange-scarlet, fairly thick, and grows entirely underground, having no green shoulder. Brightest of the red Carrots. Pkt. 10c.; oz. 20c.; 1/4lb. 45c.; lb. \$1.25.

NANTES. A very superior Carrot. It is called "coreless" on account of its producing an undefined tender heart, deep red and similar to the fleshy part of the root. It is particularly brittle, fine-grained and the flavor is mild and sweet. The color is bright reddish orange and the skin

smooth. In shape it is about 6 inches long, cylindrical and



Chantenay Carrots

very stump-rooted. Pkt. 10 cts.; oz. 20 cts.; \(\frac{1}{4}\)lb. 50 cts.; lb. \(\frac{1}{1.50}\).

Oxheart, or GUERANDE. One of the most popular and heaviest yielders among the short Carrots. The shape is particularly desirable for heavy soils. The true type is about 5½ inches long and 3½ inches thick at the shoulder. It tapers slightly to the bottom, and is very stump-rooted. Pkt. 10 cts.; oz. 20 cts.; 1/41b. 45 cts.; lb. \$1.25.

RED ST. VALERY. This Carrot tapers evenly from its wide shoulder to its point.

A very desirable long variety. Pkt. 10 cts.; oz. 20 cts.; ½4b. 45 cts.; lb. \$1.25.

WHITE BELGIAN. The best-known and one of the oldest white varieties with a long-pointed root. The variety we offer does not grow above ground, with a green shoulder, as do some strains. Pkt. 10 cts.; oz. 20 cts.;

1/4|b. 40 cts.; lb. \$1.

SCARLET HORN. A small, early stump-rooted variety, of good flavor and nearly coreless. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 50 cts.; lb. \$1.50.



Oxheart, or Guerande Carrots

CELERIAC or TURNIP-ROOTED CELERY

GIANT SMOOTH PRAGUE. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.20; lb. \$3.50.

COLLARDS

TRUE GEORGIA. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

CORN SALAD or FETTICUS

LARGE-LEAVED. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.

CRESS

FINE CURLED (PEPPER GRASS). Pkt. 10 cts.; oz. 20 cts.; ½lb. 50 cts.; lb. \$1.50.

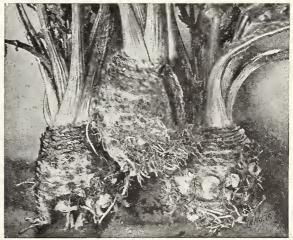
TRUE WATER. Pkt. 10 cts.; oz. 60 cts.; ½lb. \$2; lb. \$6.

CHICORY

LARGE-ROOTED or COFFEE. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

SMALL-ROOTED or RADICHETTA. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.50; lb. \$5.

WITLOOF. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.



Celeriac



California Wonder Cauliflower

CAULIFLOWER

The planting of Cauliflower is easy and is much the same as that of cabbage. It does not make a good summer crop however, as it will not head up in hot weather. Cauliflower is especially popular as a fall and winter crop, and with market gardeners proves a profitable one, owing to the scarcity of good market vegetables when Cauliflower is at its best. It is easy to grow in the garden, providing the soil is made rich and porous. Sow the seed any time from July until January.

California Wonder. The best winter variety. Leaves large and long, and may be tied over the head for protection.

Heads large, solid, and pure white. For fall planting. Highly recommended for market garden purposes. Pkt. 15 cts.; 1/40z. 50 cts.; 0z. \$1.50; 1/4lb. \$5.

DRY WEATHER. A sure header—it will form a head when other sorts succumb to the heat. Dry Weather is of fine texture, white—a delicious Cauliflower. It is a little later than Early Snowball. Pkt. 25 cts.; ¼oz. \$1.25; oz. \$4.50; ¼lb. \$14. Early Snowball.

The best and most popular early variety grown. There is a vast difference in the strains of this variety offered, but what we offer is the best imported stock. Those who have had trouble with Cauliflower should try this Snowball. It will make uniformly fine heads even under adverse conditions. Pkt. 25 cts.; ¼oz. \$1.15; oz. \$4.25; ¼lb. \$15.

SNOWBALL. An early variety with short leaves and fine white heads. About a week later than Early Snowball and preferable in most of California. For winter planting. Pkt. 25 cts.; 1/40z. \$1.15; oz. \$4.25; 1/4lb. \$15; lb. \$45.

EXTRA-EARLY DWARF ERFURT. Very early and almost as good as the best quality of Snowball. For spring planting. Pkt. 25 cts.; ½oz. \$1.15; oz. \$4.25; ½lb. \$15; lb. \$45.

Veitch's Autumn Giant. A large, late variety, very hardy, but especially desirable for the South. The large leaves protect fine heads well, making this a fine variety for California. Pkt. 10 cts.; ¼oz. 50 cts.; oz. \$1.50; ¼lb. \$4.50; lb. \$12.

CELERY

Celery requires water, and lots of it, from the time the seed is sown in boxes in March until the crop is pulled in the autumn or winter. The seed is slow to germinate, and the soil where it is planted needs to be kept very wet. As soon as the young plants are about 1½ inches high, they should be transplanted to get good, sturdy plants before they are finally set in the garden or field. When the plants are well grown and large the soil needs to be drawn up around the plants, first tying them at the top or wrapping with a piece of sacking to prevent the earth getting between the stems. As fast as the plants grow above the soil, the earth wants to be hilled around them again to get a full growth of well-blanched stems. The great Celery-growing centers are located in swampy, peat districts. Use 1 ounce of seed to 15,000 plants, or 2 ounces per acre. Set in 24- to 30-inch rows.

COLUMBIA. A very fine-flavored variety. The stalks are very thick and almost round. It blanches to almost a golden yellow and the foliage is light green, blanching to quite a yellow tint. It has a decidedly nutty flavor, of very superior quality. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

Golden Self-Blanching, or PARIS GOLDEN. The best market variety especially for early crop. The plant is naturally and fit for table use. Forms a rather small bunch. French-grown. Pkt. 15 cts.; oz. \$1.50; 1/4lb. \$5; lb. \$15.

CALIFORNIA-GROWN. Oz. 80 cts.; 1/4lb. \$2.65; lb. \$10.

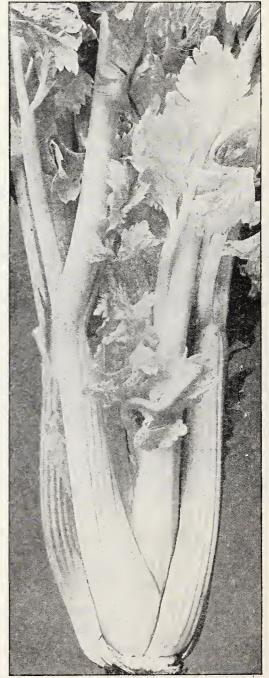
Emperor. Makes a very large bunch of pure white, brittle stems. This variety is short and stocky and exceptionally fine in all ways. Try it on our recommendation. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65.

GIANT PASCAL. Rather tall, green winter Celery, blanches white and brittle. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.10; lb. \$3.50.

WHITE PLUME. A comparatively easy variety to grow, as it is fairly hardy and being naturally white, is easy to blanch. The leaves are also white, tinted with green at tips. Forms a medium-sized bunch and is fairly tall; early. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.20; lb. \$3.50.

WINTER QUEEN. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.

CELERY SEED FOR FLAVORING (SOUP CELERY). 1/2lb. 40 cts.; lb. 70 cts.



Golden Self-Blanching Celery

CORN SWEET OR TABLE

The sweetest flavored Corn cannot be purchased. It must be home raised. This will always be so

Contrary to the general belief, Corn is raised successfully in most of California. It makes a profitable field crop and Sweet Corn is a delicious garden vegetable. Nothing quite equals it. Corn is at its very best only when picked and eaten within an hour.

As Corn is very sensitive to frost, it cannot be planted with any degree of safety until about the middle of April, except in sections that are notably free from late frost. Moist, rich soil is best for Corn, and frequent hoeing or cultivating improves it. The small, but rich, mountain valleys seem especially favorable for good table Corn.

In cutting Corn for the table it is important that it be picked at just the right time, especially when not too old. Frequent small plantings of the several varieties in succession will keep a good supply available for the table all summer. Plant in hills 3 feet each way, and often 4 feet is better, and even 5 feet for some varieties. Do not let the plants overcrowd. Thin to three plants to a hill. Sow 15 pounds per acre. Small plantings must be in a square block or the cobs will not fill evenly.

Prices given are prepaid to Fourth Zone. Write for prices in larger quantities than here quoted

NEW SWEET CORN, CARMEL GOLDEN. For description see vegetable novelties on page 2.

BLACK MEXICAN. Although when ripe the seed is dark bluish or black, when ready for table use it is white. It is of especially fine sweet flavor and very tender; medium early. The cobs have 10 rows of kernels. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Country Gentleman, or Shoe-Peg. Has a white cob, closely filled with long, small, "shoepeg" kernels. Is remarkably fine flavored and sweet, and is frequently used by canners. Many people consider Country Gentleman as about the best of late Corns. The stalk is tall. Plant other sorts for early, and this for late. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

> CROSBY'S EARLY. A fine, early variety, growing about 4 feet in height. Kernels smaller than a Cory, having 14 rows to each ear. A rattling good sort. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

> Early Mammoth, or ALAMEDA This sort is very largely grown in Alameda County. The ears are long, very large, and well filled with 10 to 14 rows. The variety is medium early and of good quality. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

> ARLY MINNESOTA. Between Crosby's and Cory's in earliness. Stalks about 5 feet high; ears long and EARLY 8-rowed. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

EARLY WHITE-COB CORY. An extra-early variety with remarkable white grains, especially when cooked.

Ears are 6 to 7 inches long. Kernels are large and placed in 8 rows to each ear. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

EARLY VACAVILLE, MORSE'S. Splendid new sweet variety, especially valuable in foothill land. The cob is small and the flavor is delicious. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

GOLDEN BANTAM. A very early variety. The ears are but medium size, but are thickly set with delicious yellow kernels. The flavor of this variety is rich and nut-like. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

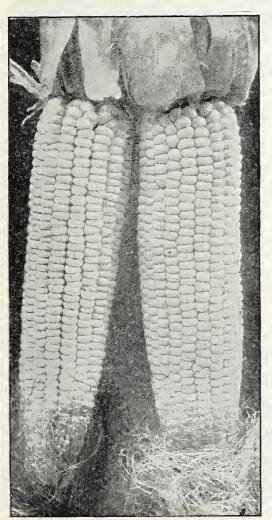
GOLDEN CREAM. The flavor of Morse's Golden Cream is rich, nut-like, and delicious, better than other Corns. Morse's Golden Cream is early, prolific, and a fine sort; seed yellow. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

OREGON EVERGREEN. Earlier than Stowell's Evergreen, and, like it, very sweet and fine. Kernels are white; ears large. Nothing better for canning or for late Corn. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

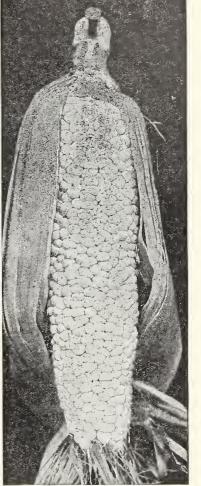
STABLER'S EARLY. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

WHITE EVERGREEN. Similar to Stowell's Evergreen, but snow-white. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Stowell's Evergreen. Good all-round table variety of excellent quality, Stowell's Evergreen is a late Sweet Corn, taking a good time to mature; 12 rows to the ear; kernels long and meaty and of fine quality. Stowell's Evergreen is also used as a fodder Corn on account of its succulent stalks. These grow to 6 feet or more. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.



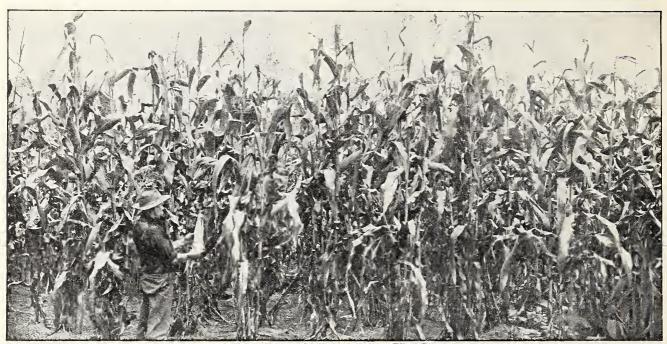
Stowell's Evergreen Corn



Country Gentleman Corn

The "BOOK OF CORN." By Mayrick and others

Postpaid \$2.00



Field of Morse's Hybrid Yellow Flint Corn

FIELD CORN

All prices quoted below are postpaid to the Fourth Zone. Write us for prices on larger quantities

MINNESOTA 13. An early, heavy-producing yellow Dent Corn adapted especially to the Pacific Northwest. Matures in 90 to 100 days. Lb. 20 cts.; 10 lbs. \$1.15.

EARLY EIGHT-ROWED CANADA. Also known as the Yellow Flint. A rapid-growing, early variety, and for this reason largely used for replanting. Very valuable where the seasons are short. Lb. 20 cts.; 10 lbs. \$1.15.

EARLY ADAMS. Although not a Sweet Corn, can often be used as a table Corn on account of its fine, white kernels, which are quite sweet and tender. Is very hardy and can be planted earlier than the early varieties of Sweet Corn. **Lb. 20 cts.; 10 lbs. \$1.15.**

Early Golden Dent or Pride of the North. A very e a r l y Dent variety, and especially valuable on account of its extreme earliness. Deep yellow grains. Lb. 20 cts.; 10 lbs. \$1.15.

KING PHILIP. An old New England favorite. The ears are long and the variety is very early and a heavy bearer; copper-red in color. Lb. 20 cts.; 10 lbs. \$1.15.

Leaming. A very popular, tall-growing variety. Stalks are leafy, making excellent fodder. Kernels are long and deep golden yellow. Ears large and produced in abundance. Lb. 20 cts.; 10 lbs. \$1.15.

Morse's Hybrid Yellow Flint Corn. This may well be called the best Corn to grow. It is acclimated and bears well in California. The ears are solid and heavy and perfectly filled. The leaves are wide and large, making it a good silo Corn. Lb. 20 cts.; 10 lbs. \$1.15.

STANFORD YELLOW DENT CORN. If you want a good yellow Dent Corn, try our Stanford strain. It was originated on the Stanford ranch at Vina, and no finer Corn has ever been sent out anywhere, nor one which has given such universal satisfaction here. Lb. 20 cts.; 10 lbs. \$1.15.

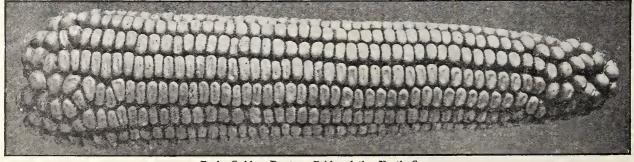
WHITE-CAP YELLOW DENT. An early and hardy variety, growing 6 to 7 feet in height. Ears are 8 to 10 inches in length. Lb. 20 cts.; 10 lbs. \$1.15.

SANFORD WHITE FLINT. An early, tall variety bearing large ears which are well filled with large, pure white kernels. Lb. 20 cts.; 10 lbs. \$1.15.

WISCONSIN WHITE DENT. A tall-growing variety; larger eared; 16- to 18- rowed; grains large and white. Lb. 20 cts.; 10 lbs. \$1.15.

POPCORN, WHITE RICE. Very prolific; ears short, kernels long, resembling rice in shape; color white. Lb. 30 cts.; 10 lbs. \$2.50.

TAMALE or PARROT CORN. Lb. 15 cts.; 10 lbs. \$1.



Early Golden Dent or Pride of the North Corn

CUCUMBER

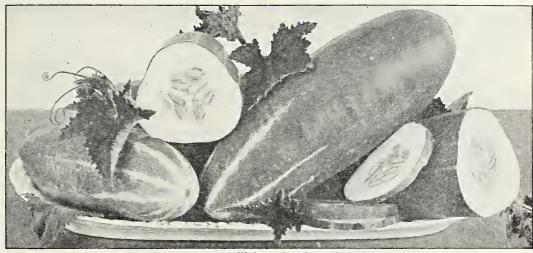
Cucumbers are sensitive to frost and cannot be planted until the last of April. They require a great deal of water, and unless planted on very wet soil, will require frequent irrigation throughout the summer. Plant in hills 4 feet each way, dropping about twelve seeds in each hill.

Later, when plants are well started, thin out, leaving only four or five of the strongest plants to each hill. Sow ½ inch deep. The soil should be made very rich with well-rotted stable manure well spaded in.

Cucumbers are very easy to grow, and a few hills will produce an abundance for an average family. Keep the crop picked when large enough for use, whether required or not; if left to ripen, they will stop bearing, but if kept picked they will keep on.

PRICES BELOW ARE POSTPAID TO THE FOURTH ZONE.

WRITE FOR PRICES ON LARGER QUANTITIES.



Arlington White Spine Cucumbers

Arlington White Spine. Moderately dark green in color; very straight and even in shape. It is 7 to 8 inches long, early, and can be forced. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. \$1.50, postpaid.

CHICAGO PICKLING. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

COOL AND CRISP. A fine garden Cucumber. Deep green and crisp. One of the best for slicing. Pkt. 10 cts.; oz. 20 cts.; \(^1/_4\)lb. 50 cts.; lb. \\$1.50.

EVERGREEN WHITE SPINE. A popular variety, having long, rich, dark green fruits with very tender, white, and crisp flesh. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

KLONDYKE. A variety very dark green when young, and medium early. Excellent quality for slicing. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EARLY CLUSTER. A very productive variety, bearing its fruit in clusters of two or three. The fruit is short and very dark green and retains its fine dark color longer than other sorts. The fruits are uniform in size and shape. Very popular for shipping. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EARLY SHORT GREEN, or EARLY FRAME. A very desirable variety for either pickling or table use. Fruit straight, small at each end, bright green. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EVERBEARING. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 50 cts.; lb. \$1.50.

EXTRA-EARLY GREEN PROLIFIC, or BOSTON PICKLING. A very prolific variety, used principally for pickles. Fruit medium-sized, bright green; very even and symmetrical. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

FORDHOOK FAMOUS. An unusually long White Spine variety. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

GHERKIN, or WEST INDIA GHERKIN. An extremely small-fruited variety grown exclusively for pickles. It has no value for slicing. Is very prickly, but tender and crisp if picked when young. Seed germinates slowly. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1, lb. \$3.

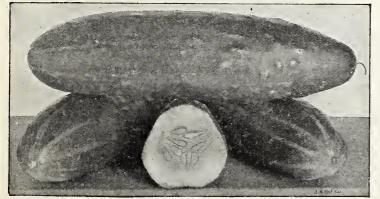
Kirby's "Stays Green." This is a selection of a medium-early white spine type which holds its desired in Cucumbers since the various sorts turn yellow or white as they mature. This variety has become a great favorite market type throughout the South on account of its keeping quality. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.25.

Long Green. Our strain has been selected for extra length, and the Cucumbers are a foot or more long. The seed cavity is small, and fruits are solid and of delicious quality. There is no finer table variety for slicing. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

Lemon

This little Cucumber is not half appreciated for the homegarden. It has a most delicate flavor, and never gets bitter or unfit for the most demanding taste. The vines are prolific—the fruit is small and always in good condition. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

TELEGRAPH, ROLLINSON'S. English Greenhouse Variety. These Cucumbers are quite different from the ordinary sorts. They have very few seeds and very long, slender fruits, which are prefectly straight when grown suspended from vines in a greenhouse. Very few seeds to a packet, but all are carefully saved from English greenhouses from the finest strain only. **Pkt. 25 cts.**



Long Green Cucumbers

DANDELION

Much esteemed for greens, which are cooked like mustard and spinach. The cultivated Dandelion is much superior to the wild for greens. Sow the seed in May or June on good, rich soil, and thoroughly cultivate, when the leaves will be ready to cut the following spring.

IMPROVED LARGE-LEAVED. The largest leaved and best cutting variety. Plant is compact and leaves are thick. Pkt. 10 cts.



New York Improved Large Purple Eggplant

EGG-PLANT

The seed germinates slowly and should be started under glass, with moderately high temperature, about March 1. When about 3 inches high, transplant carefully to the garden or field, but not until all danger of frost is over. Eggplant flourishes in most of this state and wherever there is a good warm growing season.

Black Beauty. Rich purple-black in color and a remarkable market variety. Is early and makes also a fine sort for the home-garden Pkt.10 cts.; ½oz. 45 cts.; oz. 75 cts.; ¼lb. \$2.50; lb. \$7.50.

New York Improved Large Purple. The principal market variety Plants are large and spreading; fruit large and of deep rich purple. Pkt. 10 cts.; ½0z. 45 cts.; oz. 75 cts.; ¼1b. \$2.50; lb. \$7.50.

ENDIVE THE WINTER SALAD PLANT

A salad vegetable which is becoming very valuable for winter use. The seed should be sown in June or July in 18-inch rows, and thinned to about 6 inches apart. When quite well grown, the outer leaves should be tied, thus blanching the inner leaves and the heart. It is hardly palatable until after frost, being rather bitter if used in summer.

BROAD-LEAVED BATAVIAN, or ESCAROLLE. A variety, having wide, thick leaves, straight at the edges and curved toward the center. Color dull green. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

Giant Fringed. One of the best market varieties. Pkt. 10 cts.; oz. 20 cts.; ½ lb. 65 cts.; lb. \$2.

Green Curled. Has very curly leaves, the midrib being white and blanched A very attractive plant and one of the very best varieties. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

WHITE CURLED. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 75 cts.; lb. \$2.25.

FENNEL

FLORENCE. Pkt-10cts.; oz. 30cts.; 1/4lb. \$1.

KALE, or BORECOLE

A species of cabbage, forming a mass of leaves, some varieties being very beautiful and curly. The leaves are cooked as greens. The seed should be planted in September, and the plants will be ready to use in the winter. It is hardy and will withstand frost and snow.

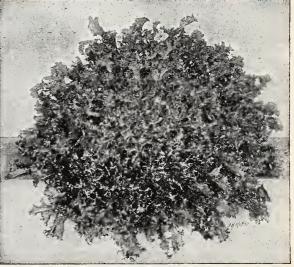
DWARF CURLED SCOTCH. Color bright green. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

GREEN CURLED SCOTCH, TALL. Grows about 2½ feet high. Is very curly and makes a beautiful plant. Quality of the best. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. \$2.



Early White Vienna Kohlrabi

JERSEY, or 1,000 HEADED. A tall variety with smooth leaves. Especially used for feeding chickens, furnishing lots of green feed. Pkt. 10c.; oz. 20c.; 1/4 lb. 45c.; lb. \$1.25.



Green Curled Endive

Giant Marrow. This splendid Kale has leaf-stalks thick and fleshy. The stem is also large, thick, and filled with nutritious marrow. A very heavy yielder of green feed. It is eaten readily by chickens and proves a great tonic for them. Pkt. 10 cts.; oz. 50 cts.; ¼lb. \$1.65; lb. \$4.

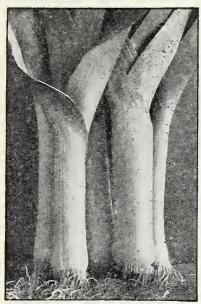
KOHL-RABI

The secret of good Kohlrabi is to keep the plants growing quickly and to use the roots when 3 to 4 inches in diameter and before fully grown. The bulb grows above ground and leaves come from its sides. Kohlrabi has a flavor as much like a turnip as like cabbage. The seed should be planted in the open garden in 18-inch rows and the young plants thinned to 4 to 6 inches. It does not transplant well, unless when very small.

EARLY WHITE VIENNA. The most desirable variety for general use. Is very early and has small tops. Color, light silver-green. Pkt. 10 cts.; oz. 30 cts.; ¼lb. \$1.

EARLY PURPLE VIENNA. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.

LARGE GREEN. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.



Giant Musselburgh Leek

LEEKS

A species of the onion family which has a mild and delicious root-stem or neck, but no bulb. It can be planted in 16-inch rows, and the young plants thinned to about 6 inches apart. When well grown, hill up with earth, a little at a time, to get a long white stem. Seed should be planted in June, for good plants in the fall and winter. Leek is a vegetable of unusual merit, and should be widely grown.

AMERICAN FLAG. A very fine Leek, with long, large stems, which are sweet and white when properly blanched; a vigorous grower. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.15; lb. \$3.50.

CARENTAN. The largest variety, though the stems are not so long as some others. Leaves are very broad. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.15; lb. \$3.50.

DOBBIE'S CHAMPION. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.15; lb. \$3.50.

Giant Musselburgh. Thick, long stems of sweet, mild flavor. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.15; lb. \$3.50.

LETTUCE

OUR STRAINS OF LETTUCE ARE SUPERFINE

Sow Lettuce in California any month of the year. Lettuce is represented by **four distinct classes or types:** the thick-leaved, smooth-edged, cabbage-heading type, such as Big Boston; the curly and thin-leaved, tight-heading crisp type, such as Hanson, Iceberg and Los Angeles; the curly and thin-leaved bunching or non-heading variety, as Black-seeded Simpson, Prizehead, etc; also the Cos or Celery type. There are early, medium-early, and late varieties of each type, as well as those especially adapted for greenhouse, hotbed, winter, spring, summer and autumn uses. For the ordinary home-garden it is desirable to use one variety of each type and several plantings should be made to secure a succession.

The seed should be planted in rows about 18 inches apart, and the young plants of the cabbage varieties, should be thinned out to from 6 to 8 inches apart. Varieties that do not head

may be left thick and thinned out as used.

PRICES QUOTED BELOW ARE POSTPAID TO THE FOURTH ZONE

Big Boston. A popular light green cabbage variety, grown extensively for the market. Has a particularly fine golden buttery head, slightly, tinged with brown. Also called "Trocadero" in Europe. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50. BLACK-SEEDED SIMPSON. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

BLACK-SEEDED TENNISBALL. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50. CALIFORNIA CREAM BUTTER, or ROYAL SUMMER CABBAGE. A popular variety for autumn and winter use. Forms a very large head, which is very buttery, and of a rich golden yellow inside. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.;

lb. \$1.50.

CHICKEN. A variety recommended for chicken-feed only, as it produces a large bunch of leaves. When running to seed, grows 4 feet tall and supplies lots of green feed. A fine tonic for laying hens. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

DRUMHEAD, or MALTA. A very large, tight-heading variety. Leaves are rather coarse, but very brittle and good for heat-resisting. Is dark green and slightly curled. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EARLY CURLED SIMPSON. A loose-bunching sort, forming no definite head. Is crisp and tender; light green in color. Very hardy and easy to grow. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

GRAND RAPIDS. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

Hanson. A fine, large-heading variety. Leaves curled on the edges, light yellowish green in color. The head is crisp and brittle and flavor excellent. The

very best homegarden variety in existence, and much the finest variety of its class. Allow 12 inches for each head. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. 61 50

California Vegetables in Garden and Field

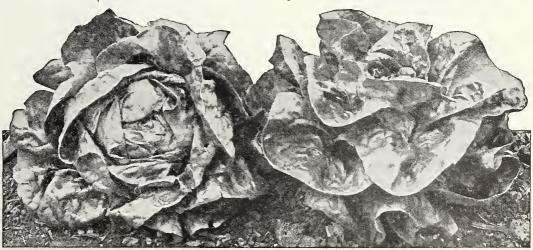
By Prof. E. J. Wickson

The finest book on vegetable growing published. Price, \$2; postpaid, \$2.15.

STIMUPLANT Makes a WONDER GARDEN



Hanson Lettuce



Big Boston Lettuce



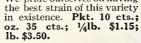
Field of Los Angeles, or New York Lettuce

LETTUCE, continued

DEACON. A large cabbage variety, having thick, bright green leaves; forms a large, buttery head; very bright golden yellow inside. **Pkt. 10 cts.; oz. 20 cts.;** 1/4lb. 50 cts.; lb. \$1.50.

Iceberg. A large, crisp lettuce, always tender. Iceberg stands hot weather remarkably well and is usually sown early in August for fall use. Give each head 14 inches in a row. The color is light green, lightly tinged with brown. Try this either for home or market garden. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

Los Angeles, or NEW YORK (also sometimes called "Imperial Valley," "Iceberg," and "Mountain Iceberg"). This is the most largely used market Lettuce and is extensively grown for shipping from the northern to the southern boundary of the United States, along the Pacific Coast and Rocky Mountain district. During the year of 1921, California alone grew and shipped out of the state over 9,000 carloads. Our acreage of New York or Los Angeles is our largest, and our trade runs into large proportions. The stock we use is our own strain, carefully developed and pedigreed on our own seed-farms, and we use nothing but our own crops planted and rogued by our own crews. We pride ourselves on having





Iceberg Lettuce

MIGNONETTE. A compact head Lettuce, especially adapted to the Hawaiian Islands. Small size, sweet flavor. The outer leaves are reddish brown, but the inside is light green and crisp. Pkt.10c.; oz. 25c.; 1/4lb. 85c.; lb. \$2.50.

PRIZE HEAD. One of the very best loose-bunching or non-heading varieties. Leaves brown, very curly, and of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown Lettuce. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

SALAMANDER. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 50 cts.; lb. \$1.50. THE MORSE. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 50 cts.; lb. \$1.50.

WHITE SUMMER CABBAGE. Pkt. 10c.; oz. 20c.; 1/4lb. 50c.; lb. \$1.50. WHITE PARIS COS. The best of the Cos or Celery varieties. Forms a large, light green plant with the head well folded and quite solid. Cos Lettuce is also called Romaine, and is very popular with our foreign population, and it is highly prized in England and France. The Cos type of Lettuce has long, upright leaves with heavy straight midribs. The flavor is different from ordinary Lettuces and esteemed by many. Either tie the plants to blanch them, or plant them closely, 5 inches apart. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.



White Paris Cos Lettuce

MUSKMELON or CANTALOUPE

Plant hills in rich, moist land, using one ounce to 100 hills or two to three pounds per acre. Six feet each way is a good distance for the hills. Sow the seed after all danger of frost is over and do not cover deeply. Thoroughly rotted manure should be deeply dug into each hill.

Muskmelons require plenty of water, and if conditions are favorable, will make a strong, vigorous growth, and most varieties bear heavily. It is best to pick off the early runners to make the plant more stocky and thick. Whereever possible melons should be grown in the home-garden.

ALL PRICES ARE POSTPAID TO THE FOURTH ZONE

ABBOTT'S PEARL. A new shipping variety of fine quality. In shape and size it is almost globular or slightly oval and about as large as the average Rocky Ford types. The flesh is salmon-red, very thick, with small seed cavity. The skin is whitish green, has no ribs, and is heavily netted with wide, coarse netting. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 75 cts.; lb. \$2.25.

Acme, or Early Baltimore. One of the best green all-round melons in cultivation, and recommended for its uniform shape, medium size, and fine quality. The flesh is thick, green, without a musk flavor, and very sweet. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

BAY VIEW. Fruit large, oblong, heavily ribbed and netted. Flesh light green, musk-flavored, and good. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

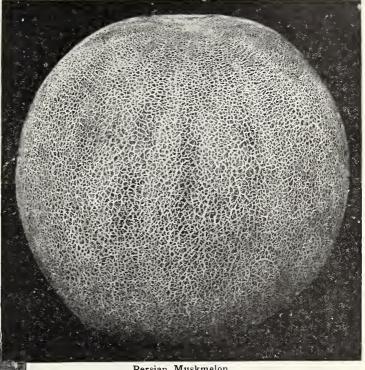
BURRELL'S GEM or DEFENDER. The best bright orange-fleshed melon. The seed cavity is small and the flesh is colored clear to the rind; deeply netted; flavor equal to the best of any. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. \$1.50.

EMERALD GEM. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

EXTRA-EARLY HACKENSACK. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.



Field of Rocky Ford Muskmelons



Persian Muskmelon

Gold-Lined Rocky Ford. Of a fine uniform shape and without ribs; slightly oval; meat thick, light green, with a light golden yellow rim. Flesh very sweet and spicy. There is no better melon than this. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 75 cts.; lb. \$2.25.

GREELEY WONDER or INDIANA. Large, globular, salmon-fruited variety, heavily netted and ribbed; excellent flavor. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

HACKENSACK, or TURK'S CAP. The flavor is sweet and delicious, with green flesh. Has flattened ends, thick irregular ribs and coarse netting. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. \$1.50.

MONTREAL MARKET. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

Persian. Hybrid Muskmelon. This is a large melon, from 8 to 10 inches in diameter, and is heavy for its size. The melons are heavily netted, and are globular. Its color is bright orange. The flavor is different from other melons, and comes out delightfully when the melons are well ripened. Should not be eaten until fully ripe. It is undoubtedly the finest of all Muskmelons. Pkt. 10 cts.; oz. 60 cts.; 1/4lb. \$2; lb. \$6.

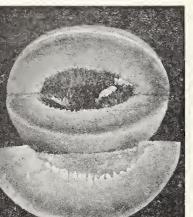
POLLOCK 10-25 (Ten-Twenty-Five). This is a new main-crop variety, ripening at the same time as Rocky Ford. The melons are nearly round and densely netted. The seed cavity is small, flesh thick, light green with salmon tint. Flavor is excellent. A standard melon for the market. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

ROCKY FORD, or NETTED GEM. Grown in great quantities for the market. Fruit is slightly oval, finely netted, and slightly ribbed. Flesh thick, green, and of fine quality, spicy, very sweet flavored. Rocky Fords are small to medium sized. Other melons too big to ship for market are often preferred for home-gardens. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

TIP TOP. One of the best known of the deep yellow or salmonfleshed varieties. The fruits are large, nearly round, slightly ribbed and lightly netted over a light slaty skin; very highly musk-flavored, which many people prefer in a melon. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

NEW and HYBRID MUSKMELONS

HONEY DEW



New Honey Dew Melon

These melons, well ripened on the vine, have a delicious flayor and are greatly improved by adding a little lemon-juice when eating. The flesh is light êmerald-green and the color of the skin nearly white, turning to creamy yellow when tipe. The melons slip from the vine when ripe and may be picked just before ripening and stored in a cool place for two months. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 ets.; lb. \$2.50.

CASSABAS OR WINTER MUSKMELONS

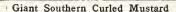
These melons are more popular each season. Cassabas may be had in all the eastern markets and they are on the bills-of-fare at the best restaurants. They may be kept as late as February, when all other fruits are rare. Cassabas have a distinct flavor, mild, and crisp. They make an excellent base for salad, and are enjoyed either that way or as a fruit.

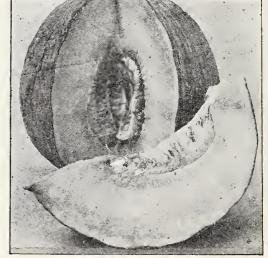
Golden Beauty. Early fruits ripen continuously from July until frost comes. Golden Beauty is bright yellow, glob-

ular in shape, with wrinkled skin and slightly pointed at stem end. Flesh is pure white and very thick. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

WINTER PINEAPPLE. A fine, late-ripening, long-keeping variety. The fruits are very solid and heavy,







Golden Beauty Cassaba

MUSTARD FOR GREENS

The leaves of these varieties of Mustard, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

CHINESE. A very hardy, broad-leaved variety. Leaves are thick and deeply savoyed. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 40 cts.; lb. \$1.25.

FORDHOOK FANCY. The dark green leaves of this variety are more curled on the edges than any other sort, making most attractive greens. It may also be cooked and served like spinach, and is highly esteemed when used in this way. Pkt. 10 cts.; oz. 20 cts.; ½1b. 50 cts.; lb. \$1.50.

GIANT SOUTHERN CURLED. Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 10 cts.; 1/4lb. 30 cts.; lb. \$1.

WHITE ENGLISH. Seed yellow and pungent, used for grinding and for flavoring pickles. Oz. 10 cts.; 1/4lb. 30 cts.; lb. \$1.

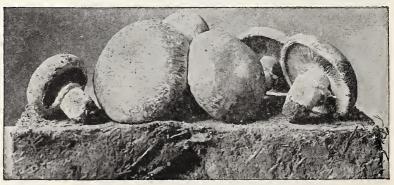
MUSHROOM SPAWN

Write for our leaflet giving cultural directions

PURE-CULTURE AMERICAN SPAWN. The very best Spawn taken direct from the growing cultures. There is no chance for any "wild" Spawn to get mixed in. Bricks weigh 1½ pounds. Brick 40 cts., postpaid; by express, 5 bricks \$1.75. Write us for quantity price.

MUSHROOM CULTURE. By William Robinson. 85 cts., postpaid.

MUSHROOM GROWING. By D. M. Duggar. \$2.15, postpaid.



Pure-Culture American Mushroom Spawn

WATERMELON

Light, sandy, or gravelly soil is necessary for the best Watermelons. They seldom do well on heavy adobe or clay soils, and these lands should be avoided when growing Watermelons as a farm crop. In the garden, any soil can be made suitable by spading in each hill some well-rotted manure and sand or loam.

suitable by spading in each hill some well-rotted manure and sand or loam. Plant the seed about the middle of May, in hills about 8 feet apart. Use five or six seeds to a hill and thin out to three plants as soon as the second or third leaf shows. Use about four ounces of seed to 100 hills, or as a farm crop, two to four pounds per acre. A good Watermelon is one of the finest fruits on earth. On a hot day there is nothing like a fresh, juicy, sweet Watermelon. Some Watermelons are much sweeter than others. There is no use in buying an old sort just because you are familiar with the name. Follow our advice as to the best melons.

Angelino. A good all-round melon, either for the home-garden or shipping. The skin is very dark green, and flesh is bright red and of delicious quality. Soak seed in water an hour or two before planting to increase germination. Important only for Angelino and Chilian. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

BLACK-SEEDED ANGELINO. Many prefer a melon with black seed. This variety has all of the good points of Angelino—bright red flesh, sweetness, and size. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

CHILIAN, WHITE-SEEDED. Description same as Angelino, except for color of skin, which is a deep green with slightly darker stripes. Two of our best melons. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

CHILIAN, BLACK-SEEDED. Some people think a melon does not taste right unless it has black seed, and certainly they sell better at restaurants, etc. Has all of the splendid qualities of White-seeded Chilian, and if anything is a trifle earlier. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; 15. \$1.50.

CITRON, RED-SEEDED. Pkt. 10 cts.; oz. 20 cts.; ½1b. 45 cts.; lb. \$1.25. CITRON, GREEN-SEEDED, or COLORADO PRESERVING. Pkt. 10 cts.; oz. 15 cts.; ½1b. 35 cts.; lb. \$1.

Excel. A new, very large black-seeded shipping melon. It is a little smaller than Tom Watson. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.

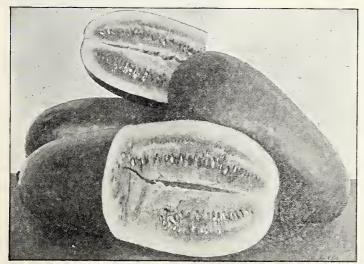
FLORIDA FAVORITE. A large variety, with large, oblong fruit and light green skin, mottled with a deeper shade. Rind thin; flesh deep pink and of fine quality. Seed white. Fine shipper; also excellent for the home-garden. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 45 cts.; lb. \$1.25.

FORDHOOK EARLY. Fruit almost globular; color deep green, mottled, with occasional faint stripes of lighter green; flesh bright pink and crisp. Early. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

GEORGIA RATTLESNAKE. One of the oldest and formerly most popular sorts, and frequently known as "Gypsy." A large, oblong variety, with decided stripes of light and deep green. Rind is tough, but flesh is of medium quality and bright pink. A good shipping and market melon. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.



A Watermelon Feast



Kleckley Sweets Watermelon



Angelino Watermelon

GOLDEN HONEY. A delicious melon with yellow flesh. Golden Honey has a large heart, solid and sweet right up to the rind. The outside is a light green, striped dark green; fruit oblong and medium sized. The flesh seems to have large granules of cool sugar-water. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

HALBERT HONEY. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 45 cts.; lb. \$1.25.

HARRIS' EARLIEST. Pkt. 10 cts.; oz. 20 cts.; ½16. 45 cts.; lb. \$1.25.

IRISH GREY. Pkt. 10 cts.; oz. 20 cts.; ¹/₄lb. 65 cts.; lb. \$2.

Kleckley Sweets, or MONTE CRISTO. A very desirable variety for

ist the home-garden or nearby markets. Fruit medium-sized, oval, and skin dark green; flesh bright red and very sweet. Skin is brittle. It is the very sweet, honey-like flavor that makes it especially desirable. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

Klondike. This melon is exceptionally sweet and fine. It was bred in California and stays in perfect condinate. A good shipper for nearby markets, and excellent in every home-garden. The flesh is brittle; fruit oblong. A rather shy seeder and for that reason expensive.

This is a good quality when it comes to eating. Pkt. 10 cts.; oz. 40 cts.; ½ lb. \$1.35; lb. \$4.

TOM WATSON. A very large, really fine melon, often growing to 40 and 60 pounds or more in weight. It is sweet, has a large heart and small seed. The flesh is bright pink, contrasting with the dark green mottled skin. An excellent sort to grow and ship. Pkt. 10 cts.; oz. 20 cts.; \(\frac{1}{4}\)lb. 50 cts.; lb. \\$1.50.

MARKET-GARDENERS are requested to send us a list of the vegetable seeds they intend purchasing. We shall be glad to submit low prices on them. Market-gardeners who purchase seed in large quantities are entitled to a reduction in accordance with the quantity bought. Write us fully and we shall be very glad to reply and give prices.



ONION SEED

For general crop, the seed must be sown during the month of January or before February 1, and, if the location is a fairly dry one, it is best to sow about the middle of December. The seed should be sown with a seed-drill, in rows 14 inches apart, using four to five pounds of seed per acre. In very weedy land the rows may be 18 to 24 inches apart, when less seed is required.

California grows one-sixth of the Onion crop for the entire United States. Most of the Onion seed for the country is produced here

in California. Our firm specializes in Onion seed. Write us for prices on larger quantities.

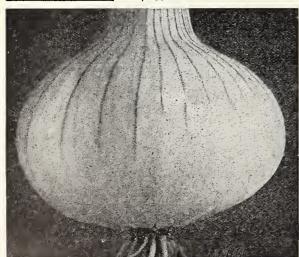
PRICES BELOW POSTPAID TO THE FOURTH ZONE

AILSA CRAIG. Color light yellow; grain fine; flavor mild; ripens early. Ailsa Craig is the largest Onion grown; often weighs 2 pounds. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

Australian Brown.

Early and very hard variety which does especially well in California. The skin is thick and the color is a rich brown. Is shriveling, and much longer than other varieties. Pkt.10cts.; oz.20cts.; 1/4lb.60cts.; lb. \$1.75.

Australian Brown. BUCKSKIN STRAIN. Pkt. 10 cts.; oz. 25 cts.; 1/41b. 75 cts.; 1b. \$2.50.



Early Sweet Spanish Onion

C A L I F O R N I A EARLY RED. Used especially for transplanting. If the seed is sown in beds in August and set in the field in November or December, good market Onions can be had in May. It is not a good keeping variety, but is excellent for winter growing because it will not read-

cause it will not readily bolt to seed. Of mild flavor. Pkt. 10c.; oz. 20c.; 1/4lb. 65c.; lb. \$2.

CRYSTAL WHITE WAX. The beautiful clear white Bermuda Onion, seen in our markets in crates early in spring is this variety. Mild and sweet. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$4.50.

EXTRA-EARLY BARLETTA. Extremely early variety. Seed planted in February will form ripe Onions the last of July. Is a white Onion, and valuable for home-made pickles, if seed is sown thick. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

EXTRA-EARLY PEARL. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4. EXTRA-EARLY RED FLAT. A very early, flat variety, with dark purplish red skin. Forms a hard bulb; keeps well. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

MAMMOTH SILVER KING. An early, large, white, flat Onion; does not keep well. Pkt. 10 cts.; oz. 40 cts.; ½lb. \$1.35; lb. \$4.



Yellow Globe Danvers Onion

WHITE PORTUGAL, or SILVERSKIN. The best known and most largely used white Onion. Is flat on the bottom and thick toward the top; very hard and firm. An excellent keeper. Is largely used for white Onion sets as well as for bulbs for the best market trade and also for pickles. Pkt. 10 cts.; oz. 35 cts.; 1/4lb. \$1.25; lb. \$3.50.

YELLOW DUTCH, or STRASBURG. Similar to Yellow Danvers, both in shape, size and color. It is a little flatter and is a better variety for producing Onion sets. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

ONION SEED

MOUNTAIN DANVERS. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

OHIO YELLOW GLOBE. The bulbs are remarkably uniform in size and shape, and being firm and hard, possess fine keeping and shipping qualities. Deep yellow; globe-shaped. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 85 cts.; lb. \$2.50.

Prizetaker (Denia Onion). A remarkably large Onion. Skin light yellow; flesh sweet; flavor mild. Not a long keeper, but yields enormously; globe-shaped. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

RED BERMUDA. Bulbs are of pinkish straw color. A companion to White Bermuda, which see for description. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.

RED WETHERSFIELD. The best-known and most widely used red variety. In shape it is flattish, but thick, with very firm flesh. Is hard and an excellent keeper, as well as a heavy cropper. The color is a bright purplish red. Pkt. 10c.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.

SOUTHPORT RED GLOBE. A large, globe-shaped, bright purplish red variety. Is a late sort and most excellent keeper. A very handsome variety and of fine quality. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. 90 cts.; lb. \$2.75.

Southport White Globe. The best pure white globe-shaped variety. Forms handsome hard Onions with wax-like flesh. Pkt. 10 cts.; oz. 35 cts.; ¼lb. \$1.25; lb. \$3.50.

EARLY SWEET SPANISH. A very large, mild, yellow, globe-shaped Onion. One of the best for home-garden; also an early market Spanish type. Pkt. 10c.; oz. 30 cts.; ¹/₄lb. \$1; lb. \$3.

SOUTHPORT YELLOW GLOBE. A fine, orange-yellow, globe-shaped variety, of best keeping and shipping quality. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.

WHITE BERMUDA. A very early southern market Onion. Flavor is mild and sweet. The bulbs are pinkish straw and flat shaped. We offer true Canary Island grown seed—the best. Pkt. 10 cts.; oz. 40 cts.; ½lb. \$1.35; lb. \$4.

WHITE QUEEN. A very early white Onion. Rather small and does not keep well. Is of fine, mild flavor, and largely used for homemade pickles. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

YELLOW DANVERS. This is the best known and the most generally used flat, yellow Onion. It is extra hardy and a very heavy yielder. Color bright orange-yellow; flesh white and firm. A good keeper, fairly early and of good size. It is also a good variety for transplanting to get carly Onions. One of the standard varieties on the San Francisco market. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60c.; lb. \$1.75.



White Globe Onions



Double Curled Parsley

PARSLEY

Used for garnishing dishes of meat or cooked in soups. A few plants in the garden will yield sufficient for a family, providing the leaves are cut often and the plants not allowed to seed. Sow the seed in drills early in spring, using one-fourth of an ounce to 100 feet. Soak the seed two hours before planting and water frequently. Prices postpaid to the Fourth Zone.

CHAMPION MOSS CURLED. A very finely curled, bright green, and very ornamental variety. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

HAMBURG, or TURNIP-ROOTED. A plain-leaved variety, forming a large, thick, edible root. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

PLAIN, or SINGLE. A very hardy variety. Leaves are flat and not curled. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

Double Curled. A curled variety, very hardy and easy to grow. Deep, rich green, and by many preferred to the extremely curly varieties. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

EXTRA TRIPLE CURLED. A very fine curled variety of dark green color. One of the best varieties for all purposes. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

PARSNIPS

Parsnips should be used while young, before they become tough and woody. Leave them in the ground only where it is good and cold. Parsnips are fine when used rightly. They prefer very wet soil and will thrive where carrots will not grow. A sandy soil is good, since the roots are very long and are difficult to dig in stiff soil. Sow the seed thickly in the spring in 18- to 24-inch drills, using one-fourth ounce to 100 feet. In the field, sow in rows 24 inches apart, using three pounds per acre.

Hollow Crown. The most popular and best variety for all pur-

poses. Skin smooth and white and flesh tender, while the root grows 18 to 20 inches long. The best part of it is contained in the first 8 inches from the top. Our strain of Hollow Crown is the thick-shouldered type called "Student" by some dealers. It is particularly fine, smooth, and regular. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. \$2.

LONG SMOOTH, or LONG DUTCH. A very long variety with full crown. Very smooth white skin. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 70 cts.; lb. \$2.

VEGETABLE PLANTS AND ROOTS

We carry the following plants in the season shown and pack them very carefully for shipping. The purchaser takes the risk of their wilting or being damaged in transit. Postal charges at parcel post

to the Fourth Zone.

rates must be added if wanted by mail.

ARTICHOKE PLANTS. January to May. \$1 per doz. Weight, 5 lbs. per doz.

ASPARAGUS ROOTS. January to April. 35 cts. per doz.; \$2.50 per 100, postpaid.

CABBAGE PLANTS. October to June. 15 cts. per doz.; 85 cts. per 100. Weight, 1 lb. per doz., 4 lbs. per 100.

Hollow Crown Parsnips

CAULIFLOWER PLANTS. November to June. 20 cts. per doz.; \$1 per 100. Weight same as Cabbage.

CELERY PLANTS. March to May. 25 cts. per doz.; \$1.75 per 100. Weight same as Cabbage.

EGGPLANT. April and May. 35 cts. per doz.; \$2.50 per 100. Weight same as Cabbage.

HOP ROOTS. April and May. 75 cts. per doz.; \$5 per 100, postpaid.

HORSERADISH ROOTS. January to May. 50 cts. per doz.; \$2.50 per 100, postpaid.

PEPPER PLANTS. All varieties, April and May. 35 cts. per doz.; \$2.25 per 100. Weight same as Cabbage.

RHUBARB ROOTS. Strawberry, Myatt's Victoria, Wagner's Giant, Crimson Winter. 25 cts. each, \$2.50 per doz. For clumps, add postage at the rate of 1 pound each. Seedlings of above varieties, with the exception of Strawberry, 20 cts. each, \$2 per doz. Add postage at the rate of 2 pounds per doz.

STRAWBERRIES. October to April. Oregon Everbearing, Banner, Marshall, and many other varieties. All selected stock. 35 cts. per doz.; \$2.50 per 100. Weight, 1 lb. per 25 plants, 3 lbs. per 100 plants.

SWEET POTATOES. May and June. 25 cts. per doz.; \$1.50 per 100. Weight, I lb. per dozen plants, 4 lbs. per 100 plants.

TOMATO. Earliana, Ponderosa, San José Canner, Stone, etc. April to June. 30 cts. per doz.; \$2 per 100. Weight, I lb. per dozen plants, 3 lbs. per 100 plants. Tomatoes can be shipped in flats, by express only; packing charges including flats, 20 cts. per 100 extra.

HERBS. Plants of various Herbs ready January to May, at 15 cts. each; 2 for 25 cts. Postpaid

If interested in large quantities, write for special prices



Strawberry Plant

Blue Bantam Peas

PEAS

Peas are quite hardy and for early markets can be planted in the fall in protected places, and ripe Peas can be had in February. They require moderately rich soil, but not excessively rich or wet, or they will run too much to vine and do not bear heavily. The seed needs to be planted thick, using from 80 to 150 pounds per acre for seed or vegetable crop, or one pound for 100 feet-of row.

The dwarf varieties can be planted in rows 18 to 24 inches apart, and the tall ones 36 inches. By using the various classes of Peas, and by making several sowings of each, good Peas can be had for a long season. In the garden the pods should be kept picked,

as the plants will then continue to bear.

TWO NEW PEAS FROM GREAT BRITAIN

BRITISH LION and THE LINCOLN. For description, see Vegetable Novelties on page 2.

EXTRA-EARLY VARIETIES

ALASKA, or EARLIEST OF ALL. A smooth Pea, well suited for extra-early planting. Vine 2½ feet high, and carries usually five pods, each holding six or seven Peas. Will not rot in cold. wet ground; popular with canners. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

AMERICAN WONDER. A dwarf or short-vine variety, growing about 12 inches tall, bearing short, well-filled pods; very early. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Blue Bantam. This grand Pea has given greatest satisfaction to medium dwarf-vine Pea, early in bearing, and having very long Peas of a splendid deep green color. Add to this productiveness the fact that Blue Bantam has the highest quality, and is tender and unusually sweet when cooked, and you see why this Pea is such a favorite. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

FIRST AND BEST, or EXTRA EARLY. Grows 2 to 2½ feet high. Seed yellowish white and round; pods straight, short, and well filled. Quality good for a smooth-seeded variety. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

LAXTONIAN. This is an ideal market and home-garden Pea, medium dwarf in habit of growth, but with very large pods, averaging 5 to 6 inches in length. Laxtonian seldom has any blank spaces in the pods. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Little Marvel.

An extra-dwarf, extra-early Pea, which is wonderfully prolific. Each pod has six or seven large Peas, closely crowded in. Yields heavier than any other in this class. Pkt. 15 cts.; lb. 40 cts.;

Peas, closely crowded in. Yields heavier than any other in this class.

NOTT'S EXCELSIOR. The earliest extra-dwarf Pea. Good flavor. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

PREMIUM GEM. Sometimes called "Little Gem." Is very productive, often carrying nine or ten pods to a plant. The plant is early, has short pods, nearly always filled. Is 15 inches tall; flavor sweet. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

GRADUS or PROSPERITY. Has the finest flavored Peas of all. Tall, light vine; matures early. Peas and pods large size; eight to ten Peas in a pod. **Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.**

Thomas Laxton. A fine, early, tall variety, similar to Gradus, but more hardy and not quite so early. Has large, blunt end pods, that fill well with Peas of finest quality. Pkt. 15 cts.; lb. 40 cts.; lb. 40 cts.;

LATER OR MAIN-CROP VARIETIES

ALDERMAN. A Pea similar to Telephone, but more prolific. The vine is extra vigorous and the pods are dark green and always well filled with fine large Peas. This is the very finest and best Pea of this class. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

ABUNDANCE. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

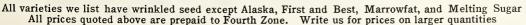
McLEAN'S ADVANCER. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

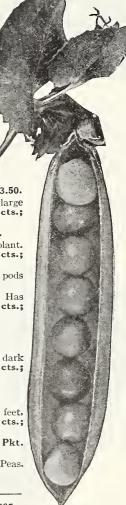
DAISY, or DWARF TELEPHONE. We can highly recommend the Daisy for fall planting. Height, about 2 feet, and vines completely covered with large, full-bearing pods. Does extremely well in California. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

CHAMPION OF ENGLAND. An old favorite. Very late; vine very tall and strong. Pods moderate sizc. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

HORSFORD'S MARKET GARDEN. A strictly canner's Pea. Pods small and closely filled with small Peas. Vines tall, late, and productive. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

IMPROVED SENATOR. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.





Telephone Peas



Thomas Laxton Peas

LATER or MAIN-CROP PEAS, continued

LARGE WHITE MARROWFAT. Esteemed by some for its mealy, potato-like flavor. A very tall, hardy variety. Very productive but of inferior quality. **Pkt. 15 cts.**; lb. 40 cts.; 10 lbs. \$3.50.

MELTING SUGAR, or EDIBLE POD. A tall variety bearing large, flat brittle pods. These are sweet and are cut or broken and cooked like string beans. Is a delicious vegetable and should be better known and more generally used. Pkt. 15 cts.; lb. 40 cts.;

EARLY SNOWDROP. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

Senator. Is literally loaded with large, slightly curved pods, always well filled and unusually easy to pick. Peas medium-sized and of splendid quality. This Pea is a most excellent one for the home-garden on account of its being unusually prolific, medium season, and good quality. Pkt. 15 cts.; Ib. 40 cts.; 10 lbs. \$3.50.

STRATAGEM. A semi-dwarf variety with large leaves and large pods. The vines bear well and the pods are long, thick, deep green, and well filled. This variety has a tendency to run out or revert to a small-podded type, and many stocks of Stratagem offered contain many small-podded plants. We offer an especially fine selected strain, free from small pods. Our reselected strain. Pkt. 15 cts.; Ib. 40 cts.; 10 lbs. \$3.50.

Telephone. Is tall and large; wrinkled Peas of fine quality; large pods. Foliage is of pale green color and quality of the very best. Pkt. 15 cts.; 10 lbs. \$3.50.

YORKSHIRE HERO, or ALAMEDA SWEETS. A very hardy and prolific, semi-dwarf, late, wrinkled variety. The Peas are large and of fine quality. Pkt. 15 cts.; Ib. 40 cts.; 10 lbs. \$3.50.

UNION JACK. Pkt. 15 cts.; lb. 40 cts.; 10 lbs. \$3.50.

PEPPER

There are varied uses for Peppers, and while they are more popular in the South among the Spanish and Mexican people, they are used very largely by all who like strong, hot condiments. The several varieties are used for stuffing, when green for pickles, for pulverizing when dry, and for soups, etc. There are two distinct flavors, according to the variety, one hot

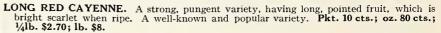
and one sweet Peppers do best in hot climates, but can be grown quite successfully in most places on any ordinary soil. The seed germinates slowly and should be started in boxes, and the young plants transplanted after all danger of frost is over. Set in 18-inch rows.

Anaheim Chili. This Pepper is largely grown in Orange County, and is used dried and for canning. It is long—7 inches or so—medium-sized in width, and is thick fleshed. The flavor is mild for a Chili Pepper, and liked by Mexicans and Americans alike. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

Chinese Giant. A very large, deep red variety, very thick and blunt. It is fully twice as large as Large Bell, or Bull Nose, being 4 to 5 inches thick at the top and about 6 inches long. Plants are not prolific bearers. Pkt. 10c.; oz. 80 cts.; 1/4Ib. \$2.70; lb. \$8.

Large Bell, or BULL NOSE. Fruit large, round, and blocky, and about 3 inches long and 2 inches thick. The color is deep green when fruit is young, but when fully ripened it is a rich,

glossy blood-red. Plant grows about 2 feet high. Pkt. 10 cts.; oz. 70 cts.; 1/4lb. \$2.35; lb. \$7.



MEXICAN CHILI. In a class by itself, on account of its extreme pungency. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

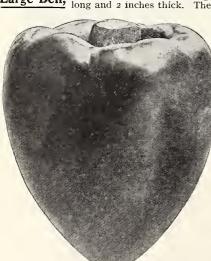
Pimiento. This is a sweet Pepper good for salads, either fresh or canned. Used largely by canners and market-gardeners. Very thick flesh; mild flavor. Pkt. 10 cts.; oz. 60 cts.; 1/4lb. \$2; lb. \$6.

RED CHILI. A rather small, bright-red variety, about 2 inches long and pointed. The pods are used in making Chili sauce, and very pungent and hot. Pkt. 10 cts.; oz. 80 cts.; 1/4lb. \$2.70; lb. \$8.

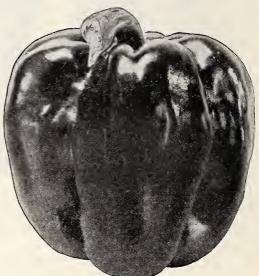
SWEET MOUNTAIN, or SPANISH MAMMOTH. It is a late variety, bearing large, thick fruit, which is frequently 8 inches long and 2 to 3 inches in diameter. When mature it is a deep glossy red, and the flavor is mild and sweet. Pkt. 10 cts.; oz. 70 cts.; 1/4lb. \$2.35; Ib. \$7.

SWEET UPRIGHT. A large thick variety, with mild, sweet flesh. Pkt. 10 cts.; oz. 80 cts.; 1/4lb. \$2.70; lb. \$8.

RUBY KING. A popular variety of the Bell, or Bull Nose type. The fruit is large, dark green while young, turning to bright, glossy red when ripe, and the flavor is mild and sweet. A desirable variety for slicing in salads and for stuffing. Pkt. 10 cts.; oz. 70 cts.; 1/4lb. \$2.35; lb. \$7.



Pimiento Pepper



Chinese Giant Pepper

PUMPKIN

Enormous Pumpkins can be grown on the fertile soils of the West. Pumpkins weighing 160 to 180 pounds are not unusual at State Fairs. Plant the seed in the open ground when it is well warmed and after danger from frost is past. Plant in hills about 8 feet apart. Three to four pounds of seed will plant an acre, and eight ounces will plant 100 hills. Do not plant near squashes or melons as they are likely to cross.

Prices below are postpaid to the Fourth Zone. If larger quantities are wanted, write for special prices.

California Field. The well-known, ordinary Pumpkin, largely used for stock-feeding. The fruit is variously colored, in yellow, drab, red and orange, and varies also in size, but is usually very large. Is a heavy cropper and very early grown. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 35 cts.; lb. \$1. Write for prices on larger quantities.

Connecticut Field. A fine, large, orange colored variety used for field-culture and stock feeding. The skin is smooth and ribbed and the flesh is brittle and sweet. Pkt. 10 cts.; oz. 20 cts.; ½1b. 45 cts.; lb. \$1.25.

LARGE CHEESE, or KENTUCKY FIELD. A large, flattened Pumpkin, averaging about 2 feet through. When ripened the skin is a rich cream-color. Flesh yellow and of fine quality. Some cus-



Large Cheese Pumpkin



Field of Pumpkins

tomers claim that this variety is not susceptible to the ravages of the squash bug. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 45 cts.; lb. \$1.25.

MAMMOTH GOLDEN CUSHAW. One of the best stock-feeding Pumpkins. Is solid, yellow crookneck sort and is nearly all flesh, having a very small seed cavity. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

GREEN STRIPED CUSHAW. Mammoth heavy-yielding cattle Pumpkin, used largely in the San Joaquin Valley. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

MAMMOTH KING, or POTIRON. Skin reddish yellow in color, and flesh rich orange. It runs very uniform in shape and color, and all are of immense size. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. \$1.75.

MORSE'S MARROW. This grand Pumpkin has proved all that we claim for it. It is an immense cropper, not only in fruits, but in weight. Twenty tons to an acre is a good yield, but not exceptional. Good-sized Pumpkins are 2 feet across and weigh 150 pounds each, and there are many such. Morse's Marrow is a very large, round, flat Pumpkin, brilliant vermilion-orange in color—the handsomest in existence. The flesh is very thick and solid and is bright orange yellow in color. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; 1b. \$1.50.

PIE PUMPKIN. A small, round yellow sort with fine, pinkish netting. Flesh is thick, sweet and of excellent quality. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

SMALL SUGAR or NEW ENGLAND PIE. A small round Pumpkin of excellent quality. The flesh is rich yellow, very thick and sweet, and the skin is deep orange. We recommend this variety as the best for pies. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

RHUBARB

A rich, sandy soil, wet but well drained, is best for rhubarb. While it is frequently propagated from seed, only a percentage comes true, but it is cheaper to grow from seed and discard untrue plants. The popular method, however, is to use young plants propagated from the crown. Set plants 3 feet by 6. The best stems are produced the second year, but it continues to produce for several years. When the blossom stalk appears, it should be cut back well into the ground. Set the crowns of the plants so that they are 2 inches under the surface of the soil. This is important. Choose a place where the soil will be moist at all times.

Crimson Winter. A variety of fine flavor. Produces small, crimson stems very early in winter and spring and continues bearing till late. Seed, pkt. 15 cts.; oz. \$1.50; 1/4lb. \$5; lb. \$15.

MYATT'S VICTORIA. A very large, late variety with green stalks. It comes fairly true from seed. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

WAGNER'S GIANT, or GIANT CRIMSON WINTER. Average stem is 1½ feet long and weighs ½1b. This splendid Rhubarb sends up its stalks very early, like the Crimson Winter, from which it is derived. The stalks are double the size of the Crimson Winter, which they otherwise resemble. Pkt. 15 cts.; oz. \$1.50; ½1b. \$5; lb. \$15.

STRAWBERRY RHUBARB. Roots only.

Rhubarb Roots and all other vegetable plants and roots will be found listed on page 20



Small Sugar Pumpkin

ROSELLE, THE SWEET CURRANT JELLY PLANT

Roselle makes a bright red jelly that both looks and tastes very much like currant jelly. Roselle seed should be sown in April in the field where the plants are to remain, in rows 6 feet apart and thinned to 2 feet in the row. The plants grow rapidly and thrive in the interior valleys. In making jelly it is best to remove the seed-pod. Pkt. 10 cts.; oz. 60 cts.



RADISH SEED

No garden is complete without Radishes in succession at all times. They are no trouble and mature in a month and a half. Use two-thirds ounce for 100 feet of row, and thin the very young plants somewhat to prevent crowding. Summer varieties can be sown all spring and well into summer. Winter varieties, however, require some time to mature, and the seed should be planted in August and September for good Radishes in November and December.

CHARTIER. A very long variety and larger in diameter and general size than Long Scarlet. Color bright rose with lighter colored tip. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

CHINESE ROSE WINTER. A bright scarlet winter variety. About 4 inches long and stump-rooted. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

CHINESE WHITE WINTER or CELESTIAL (California Mammoth White Winter). The well-known and popular winter variety. Clear white, about 4 inches long, and half stump-rooted. Keeps firm and crisp until it runs to seed. Is a good cooking variety, and when cooked the flavor resembles turnip. Pkt. 10 cts.; oz. 20 cts.; ½lb. 60 cts.; lb. \$1.75.

CRIMSON GIANT FORCING. The best large solid Radish; very crisp. The roots are top-shaped, 134 inches in diameter, and remain solid. Superb sort for every garden. Pkt. 10 cts.; oz. 20 cts.; 14lb. 45 cts.; lb. \$1.25.

EARLY SCARLET TURNIP. A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety, and in color entirely crimson. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

Early Scarlet Globe. A popular forcing variety, owing to its very quick growth and fine, bright scarlet color Share a trifle oblong. Pkt. 10c.; oz. 20c.; 1/4lb. 45c.; lb. \$1.25.

FRENCH BREAKFAST. Color bright rose, with bottom of root and the tail pure white; about 2 inches long. A very attractive variety. Pkt. 10c.; oz. 20c.; 1/4lb. 45c.; lb. \$1.25.

HALF-LONG. The variety most largely used by gardeners in California. It is about 3 inches long, with tapering root and sloping top. Color, carmine. Quick growing; hardy. Remains solid longer than most other varieties. Pkt. 10c.; oz. 20c.; 1/4lb. 45c.; lb. \$1.25.

Icicle. A handsome white variety, about 5 inches long, with sloping top and pointed root.

Quick growing, brittle and mild in flavor. Icicle is early and very desirable for a home-garden. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

LONG BLACK SPANISH. A winter variety with almost black skin and white flesh. Roots about 6 inches long. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

Long Scarlet.

The best known and most popular long variety. Color, bright carmine and flesh brittle and firm. About 6 inches long, the top growing out of the inch. Pkt. 10 cts.; oz. 20 cts.; 1/4|b. 45 cts.; lb. \$1.25.

LONG WHITE JAPANESE. A winter variety, growing frequently 2 feet long and about 3 inches in diameter. Skin white; flesh, solid and tender; very pungent. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. \$1; lb. \$3.



SIBERIAN. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

Long Scarlet Radishes

WHITE VIENNA, or LADY FINGER. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

SALSIFY, or VEGETABLE OYSTER

A loose, light soil, especially sandy loam, is desirable for a long, smooth root. In stiff soils the roots are usually uneven and hard to dig. Use one ounce for 100 feet of row, and thin to 2 inches to prevent crowding. Plant in 12- to 15-inch rows.

Mammoth Sandwich Island. The improved large-rooted variety, growing about 12 inches long and being from 1 to 2 inches thick. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. 90 cts.; lb. \$2.75.

SORREL

The large leaves when cooked like spinach make a very palatable vegetable. In California it grows luxuriantly, spreads rapidly from the root, and becomes an obnoxious weed unless given attention. A confined location in the garden is therefore recommended.

LARGE-LEAVED FRENCH. The variety having the largest leaves and therefore the most desirable. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 85 cts.; lb. \$2.50.



Mammoth Sandwich Island Salsify



Prickly Spinach

SPINACH

An easily-grown plant, the seed of which may be planted in the fall to secure good Spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be. As a field-crop for the market-garden use 8 pounds of seed per acre; for the home-garden use one ounce for 100 feet of row.

Prices are postpaid to Fourth Zone. Write us for prices on large quantities

BLOOMSDALE SAVOY. The variety most generally used in the East and especially throughout the South for shipping. Leaves large, round, and thick, very much savoyed and rich deep green. One of the earliest varieties. Seed round. Pkt. 10 cts.; 1/4lb. 25 cts.; lb. 75 cts.

LONG STANDING. A deep green variety with rather elongated smooth leaves. Seed round. Stands a long time without running to seed even in hot weather. Pkt. 10 cts.; 1/4lb. 30 cts.; lb. 85 cts.

NEW ZEALAND. A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary Spinach in appearance, and will stand heat well. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 75 cts.; lb. \$2.25.

PRICKLY. The variety commonly used for market in California. Is very hardy and easily grown; bears large, smooth leaves, which are shaped like an arrow point. A fine winter and spring variety. Pkt. 10 cts.; 1/4lb. 25 cts.; lb. 75 cts.

Round, Thick-leaved. A large-leaved, bright green variety. Leaves rather smooth and rounded at the top. A good variety for late spring and summer. Seed round. Pkt. 10 cts.; ½4b. 25 cts.; lb. 75 cts.

Morse's Dark Green Prickly. Special selected stock. A very great improvement over the ordinary type. Pkt. 10 cts.; 1/4lb. 25 cts.; lb. 75 cts.

Five or six hills of bush Squashes will supply a family. The Squashes keep coming one after the other during the entire summer. Do

not sow the seed until all danger of frost is over.

Put a spadeful of well-rotted manure in each hill and dig it in well. Sow eight to ten seeds in a space one foot in diameter and later thin to the best three plants. Bush Squashes should be in hills 4 feet apart; use 4 ounces of seed to 100 hills. Winter varieties with long vines should be planted in hills 6 to 8 feet apart; 8 ounces of seed will plant 100 hills; 2 to 3 pounds per acre. Winter Squashes do not mature until late in the fall, and having a very firm, hard shell, keep well. With a little care, Squashes can be had all winter and until late in the spring. In gathering winter Squashes, it is important to keep the stems from being broken off.

EAT WHEN YOUNG SUMMER VARIETIES

Des Moines, or TABLE QUEEN. A small, deep green summer variety of delicious flavor. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 75 cts.; 1/2lb. 75 cts.;

EARLY WHITE BUSH SCALLOP. A very early variety, with flat, white, scalloped Squashes 4 to 6 inches in diameter. The vine is bushy in habit and rather dwarf. This variety is the common "Patty Pan" Squash. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

VEGETABLE or ITALIAN MARROW (Cocozelle Bush). The very earliest of all the Squashes. Although usually eaten when quite small, still is good for the table when nearly full grown; has a distinct flavor. The color is a dark green at first, but changes to a lighter green as it matures. Pkt. 10 cts.; oz. 25 cts.; 1/4lb. 75 cts.; lb. \$2.

YELLOW SUMMER CROOKNECK. The well-known summer variety. Fruit long; skin very much warted, bright golden yellow. Very fine and tender when young. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

WINTER VARIETIES

BOSTON MARROW. A popular variety, with large oval fruit. Skin bright reddish orange with light cream netting. Flesh orange. Fine grained and of excellent quality. This is the most popular variety for canning. The principal variety used by California Canners. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

DELICIOUS. This is a splendid variety, more like the Hubbard than any other, but surpasses it in some respects for home use, as it is not quite so large. The shell is not so hard, the meat is thicker and of extra fine quality. Pkt. 10 cts; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

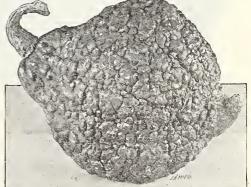
ESSEX HYBRID, or HARD SHELL TURBAN. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

FORDHOOK. A good variety for early winter or even summer use. The fruit is oblong, slightly ridged; is creamy yellow outside and the flesh is thick, and when cooked is of most delicious flavor. Is solid and is a splendid keeper; 10 in. long. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$1.75.

GOLDEN HUBBARD. An exceptionally attractive variety of the true Hubbard type. At maturity the color is red and the flesh bright orange. The vine is productive and the fruit is fit for use earlier than the Hubbard. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 65 cts.; lb. \$2.

Hubbard. The most popular and widely used of the winter squashes. Fruit is oblong and pointed, heavily warted, dark green in color, with orange-colored flesh, which is of fine texture and deliciously flavored. Is remarkable for its keeping qualities. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

PERFECT GEM or CREAM. Long-keeping winter squash, 4 to 6 inches in diameter; apple shaped, distinctly ribbed with smooth, cream-colored skin. Is solid and rather hard, but bakes to a delicious soft consistency on the inside. Although a small variety, it is a great keeper. It is used both as a summer squash and as a winter sort. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.



Hubbard Squash

TOMATO

As Tomatoes are very sensitive to frost, they cannot be set in the open field until about May I. The seed must be sown in well-protected hotbeds, about March I. A hardy and stocky plant is had by transplanting the small plants in the bed a few weeks before transplanting to the field. Or when about 4 inches high the top may be pinched off and the plant grows stockier.

Sow the seed broadcast in a prepared bed, using one ounce to about 30 square feet of area, which will yield plants enough to set an acre. In the field set tall varieties 6 feet apart and dwarf varieties 4 feet apart. A slight trellis is advisable in the garden. Good soil produces the best fruit, but it is not necessary that it be excessively rich. Too frequent watering, especially spraying the plant, is injurious to Tomatoes in the home-garden, but a moderate amount of water should be applied at the roots at regular intervals.

PRICES GIVEN BELOW ARE POSTPAID TO FOURTH ZONE

Avon Early. A very early scarlet-fruited variety of the Earliana type. The fruits are bright scarlet, of medium size, very solid, almost globular in shape, and very prolific. Pkt. 10 cts.; oz. 50 cts.; 1/4|b. \$1.65; lb. \$5.

BONNY BEST. An early, scarlet-fruited Tomato. It is smooth, very even in size, very solid, and also very prolific. Pkt. 10 cts.; oz. 50 cts.; ½lb. \$1.65; lb. \$5.

Chalk's Early Jewel. A wonderful new variety in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform, and well ripened clear to the stem, and the flavor and quality are especially fine. Color bright scarlet. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

DWARF CHAMPION. A dwarf variety, sometimes called the "Tree Tomato" on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform, and of a purplish carmine color. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

JOHN BAER. It is similar to Chalk's Early Jewel; prolific and of best quality. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

EARLIANA. A large, smooth, bright scarlet Tomato. Very valuable for early market use. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

EARLY DETROIT. Pkt. 10 cts.; oz. 45 cts.; 1/4lb. \$1.50; lb. \$4.50.

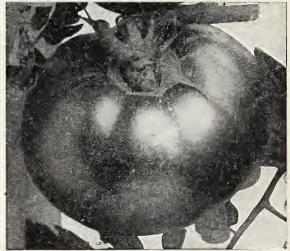
GOLDEN QUEEN. Smooth, large, bright yellow fruit of fine quality.

Pkt. 10 cts.; oz. 50 cts.;

1/4lb. \$1.65; lb. \$5.



San José Canner Tomato



Stone Tomato

LIVINGSTON'S GLOBE. Perfectly round; medium size; flesh solid; a great shipper. The color is purplish red. A main-crop sort raised for market. Pkt. 10 cts.; oz. 50 cts.; 1/4lb. \$1.65; lb. \$5.

MATCHLESS. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

NEW TOMATO, NORTON. For description of this beautiful Tomato see page 2 of this catalogue.

PONDEROSA. An extremely large, irregular-fruited variety. Vine tall; fruit very solid, purplish carmine in color, rather coarse and late, and very acid in flavor. Pkt. 10 cts.; oz. 65 cts.; 1/4lb. \$2.20; lb. \$6.50.

RED PEAR-SHAPED. Pkt. 10 cts.; oz. 75 cts.; 1/4lb. \$2.50.

San José Canner. This splendid Tomato was introduced by us in 1914. The true stock is unsurpassed for heavy yield, solidity, good canning, marketing, and shipping qualities. The premier Tomato throughout most of California. Some parties have named a big rough Tomato San José Canner, which is an entirely different thing. See page 2 for our extraselect, hand-picked strain. Pkt. 15 cts.; ½0z. 50 cts.; oz. 90 cts.; ½1b. \$3.50; lb. \$10.

STONE. One of the best main-crop Tomatoes for all purposes, and largely used for canning and shipping. Second only to San José Canner in yield. Vine tall and prolific; fruit smooth, large, and uniform. Color bright scarlet. See page 2 for our reselected strain. Pkt. 10 cts.; oz. 40 cts.; 1/4lb. \$1.35; lb. \$4.

TROPHY. Pkt. 10 cts.; oz. 40 cts.; ¼lb. \$1.25; lb. \$3.75. YELLOW PEAR-SHAPED. Pkt. 10 cts.; oz. 75 cts. YELLOW PLUM. Pkt. 10 cts.; oz. 75 cts.

TOBACCO

Sow early in frames or seed-beds and transplant when weather has become warm and frost has passed. Set in 4-foot rows, 30 inches apart.

CONNECTICUT SEED-LEAF. Is the hardiest variety in cultivation. Pkt. 10 cts.; oz. 75 cts.; ½lb. \$2.50.

HAVANA. (Domestic.) Pkt. 10 cts.; oz. 75 cts.; ½lb. \$2.50.

VUELTO DE ABAJO. (Imported Havana.) Pkt. 15 cts.;

oz. \$1.50.

WHITE BURLEY. Pkt. 10 cts.; oz. 75 cts.; ½lb. \$2.50. YELLOW PRYOR. Pkt. 10 cts.; oz. \$1; ½lb. \$3.35. KENTUCKY YELLOW. Pkt. 10 cts.; oz. 75 cts.; ½lb. \$2.35. TURKISH. Pkt. 15 cts.; oz. \$1; ½lb. \$3.35.

TURNIPS

Turnips grown quickly so that they are tender, make a delicious vegetable. The home-gardener can give them easily that extra care needed to bring them to perfection. The requirements are for a rapid, uninterrupted growth, and for moist, well-worked soil. In Alaska Turnips reach perfection, and all over our coast they are excellent. Sow in early spring and again in August. This latter gives roots for winter. Put the rows 12 to 18 inches apart, and thin to 5 to 8 inches. Do not transplant except when very young and that should not be necessary. One ounce of seed sows 250 feet of row.

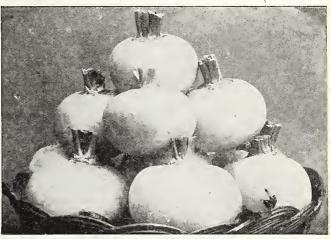
AMBER or YELLOW GLOBE. Skin a clear yellow; is of large size and fine flavor. Pkt. 10 cts.; oz. 20 cts.; ½1b. 35 cts.; lb. \$1. EARLY SNOWBALL. A medium, pure white, globe-shaped variety. Very solid and of finest quality for table. Pkt. 10 cts.; oz. 20 cts.; ½1b. 45 cts.; Ib. \$1.25.

Early White Flat Dutch. A medium-sized flat variety; clear white, early, and of fine flavor.

A fine table variety. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 35 cts.;

Ib. \$1.

EXTRA-EARLY PURPLE-TOP MILAN. A very early variety, medium-sized, very flat, and white with purple top. Pkt. 10 cts.; oz. 20 cts.; ¹/₄Ib. 65 cts.; lb. \$2.



Early White Flat Dutch Turnip



Purple-Top White Globe Turnip

LONG WHITE, or COWHORN. A long, pure white variety, resembling a white carrot. The flesh is tender and sweet and it is quite popular as a market variety on this account. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 50 cts.; lb. \$1.50.

Orange Jelly, or GOLDEN BALL. A globe-shaped, yellow variety with firm and crisp yellow flesh. A very fine table variety. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

POMERANIAN WHITE GLOBE. Large white variety, used largely for stock feeding. Is globe-shaped; large leaves; hardy. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 35 cts.; lb. \$1.

Purple-Top White Globe. Flesh white, firm, and tender. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 35 cts.; lb. \$1.

PURPLE-TOP FLAT DUTCH. One of the most largely used varieties. Flat with purple top. Pkt. 10 cts.; oz. 20 cts.; 1/4 lb. 35 cts.; lb. \$1.

PURPLE-TOP YELLOW ABERDEEN. A medium-sized variety, generally used for stock-feeding. Is yellow, with purple top. Flesh light yellow. A winter variety, seed of which can be sown in summer. Pkt. 10 cts.; oz. 20 cts.; 1/4 lb. 35 cts.; lb. \$1.

SEVEN TOP. For greens. Cultivated for its leaves. Cooked same as spinach and mustard. The root is small and not used. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; Ib. \$1.25.

WHITE EGG. A small, early, oblong variety. Pkt. 10 cts.; oz. 20 cts.; ½lb. 45 cts.; lb. \$1.25.

RUTABAGA, or SWEDE. These are grown usually for stock-feeding and make an excellent and valuable crop. Treatment same as for winter Turnips, but require a longer season to grow. The seed should be planted early in July in rows at least 2½ feet apart and the plants thinned to 8 to 12 inches apart.

American Purple-Top, or LONG ISLAND. One of the best and most popular varieties, with yellow flesh. It is yellow below ground, with purple top above, and the leaves are small. A good stock-feeding or table variety. Pkt. 10 cts.; oz. 20 cts.; 141b. 35 cts.; lb. \$1.

LARGE WHITE, or SWEET RUSSIAN. Pkt. 10 cts.; oz. 20 cts.; $^{1}/_{4}$ lb. 45 cts.; lb. \$1.25.

MONARCH, or TANKARD. Roots oval in shape and very large. Flesh, yellow; skin, yellow below ground and purple above. Pkt. 10 cts.; oz. 20 cts.; 1/4lb. 45 cts.; lb. \$1.25.

YELLOW PURPLE-TOP SWEDE. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 35 cts.; lb. \$1.

AROMATIC, MEDICINAL AND POT HERBS

PRICES QUOTED ARE ALL POSTPAID TO FOURTH ZONE

ANISE. Pkt. 10 cts.; oz. 35 cts.

BALM. Pkt. 10 cts.; oz. 60 cts.

BASIL, SWEET. Pkt. 10 cts.; oz. 50 cts.

BORAGE. Pkt. 10 cts.; oz. 50 cts.

CARAWAY. Pkt. 10 cts.; oz. 25 cts.

CATNIP. Pkt. 10 cts.; oz. \$1.40.

CORIANDER. Pkt. 10 cts.; oz. 25 cts.

DILL. Pkt. 10 cts.; oz. 25 cts.; ½1b. 75 cts.

FENNEL, SWEET. Pkt. 10 cts.; oz. 30 cts.

HOREHOUND. Pkt. 10 cts.; oz. 75 cts.

HYSSOP. Pkt. 10 cts.; oz. 75 cts.

LAVENDER. Pkt. 10 cts.; oz. 70 cts.

ROSEMARY. Pkt. 10 cts.; oz. \$1.

RUE. Pkt. 10 cts.; oz. \$1.

SAGE. Pkt. 10 cts.; oz. 75 cts.

SUMMER SAVORY. Pkt. 10 cts.; oz. 75c.

SWEET MARJORAM. Pkt. 10 cts.; oz. 75 cts.

WINTER SAVORY. Pkt. 10 cts.; oz. \$1. TANSY. Pkt. 10 cts.; oz. 85 cts.

TARRAGON, RUSSIAN. The True Tarragon does not seed, but what is offered is Russian Tarragon and flavorless. Pkt. 15 cts.

True Tarragon, in plants only. See Herbs, page 20.

THYME. Pkt. 10 cts.; oz. \$1.25. **WORMWOOD.** Pkt. 10 cts.; oz. 65 cts.

SEED POTATOES

Owing to the great demand for Good Quality Seed Potatoes, we have this year had grown for us by one of the best growers in the state, the following varieties. These Potatoes are grown near the coast in Northern California. The cool coast climate is ideal for

British Queen Potato

Potato culture, and produces strong, vig-

orous Seed Potatoes.
All of our stock is from Certified Fields
which means that all hills are true to their

which means that all hills are true to their type and variety. They have all been carefully rogued and not only all the mixtures taken out, but all the weak hills too. This insures uniform stock.

Where soil is rich and deep, Potatoes may be planted as close as 12 or 14 inches in the row, with rows 24 inches apart, but of course, where they are planted in larger acreages, cultivation will have to be done by horse labor, and the rows should be about 36 inches apart.

In coast regions of California, planting may begin in early winter months, but in most districts February to March is best. Second-crop plantings are usually begun in July. Early Potatoes require about 75 to 90 days for a matured crop, while late varieties will take from 110 to 130 days, according to variety and district. Prices given are subject to market fluctuations.

All Potatoes are priced f. o. b. San Francisco, but where small quantities are required by mail, add extra postage at

the rate according to the zone you live in from San Francisco. Zone rates will be found on inside of front cover. Any information pertaining to the cultivation, storage, etc., will be gladly given if you will write us.

BRITISH QUEEN

This is the best Potato for most sections of California. Our strain came from England and has had constant hill selection ever since, giving us a very prolific and disease-resisting Potato, which stands alone on its merits in this state. It is oval in shape and has cream skin with white flesh. Very shallow eyes. Can be planted as an early Potato and dug while tops are green, although in many sections it is planted as a main-crop variety. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.15; 50 lbs. \$2.15; 100 lbs. \$4.

RED PRIZETAKER OR IMPROVED EARLY RED ROSE

A wonderful improvement over the Early Rose. Oval in shape with deep pink skin and snow-white flesh. Yields excelently and matures in on to too days.

lently and matures in 90 to 100 days. 5 lbs. 40 cts.; 10 lbs. 65 cts.; 25 lbs. \$1.25; 50 lbs. \$2.35; 100 lbs. \$4.25.

NIELSEN'S AMERICAN WONDER

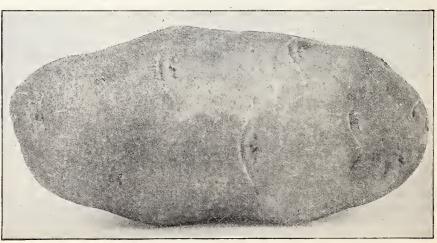
This stock has been hill-selected for reight years until it really does not resemble the ordinary American Wonder Potato. They come in good uniform type and are excellent for light soils and can be planted very close together. Matures in about 100 days. Can highly recommend this variety. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.15; 50 lbs. \$2.15; 100 lbs. \$4.

WHITE ROSE

This is the long, white-skinned variety used so much in the South. Matures very early. A wonderful good cropper and cooker. Our strain is of the very best picked stock. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.15; 50 lbs. \$2.15; 100 lbs. \$4.

WHITE BURBANK LOW TOP

Certified stock of this well-known, oblong, smooth, white-skinned Potato, a main-crop variety. Very heavy yielder. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.15; 50 lbs. \$2.15; 100 lbs. \$4.



White Burbank Low Top Potato

ALFALFA

Put some land into Alfalfa and reap the profits of present high prices. The land should be prepared by deep plowing and thorough harrowing, and should be well drained, for Alfalfa will not stand moisture too close to the surface.

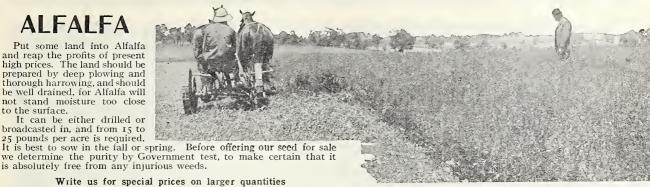
It can be either drilled or broadcasted in, and from 15 to

we determine the purity by Government test, to make certain that it is absolutely free from any injurious weeds.



EXTRA-CHOICE RECLEANED ALFALFA. Known also as Chilian Alfalfa. The best acclimated sort, and recommended for all-round growing. Yields very heavily. We are always prepared to quote the lowest market prices for seed. **Lb. 35 cts.; 10 lbs. \$3.**

GRIMM ALFALFA. This is the hardiest strain of Alfalfa there is and will stand the cold winters even of Minnesota. Ours is the genuine stock. Extra hardy in cold or dry places. Sow 12 pounds of seed per acre. Lb. \$1; 10 lbs. \$9.



Field of Alfalfa

PERUVIAN ALFALFA. SMOOTH STRAIN. Grows quickly and yields heavily. Lb. 40 cts.; 10 lbs. \$3.50.

HAIRY PERUVIAN. This is a wonderful Alfalfa. It starts to grow while the weather is yet cool and makes one or more additional cuttings a season. This gives a much larger tonnage—sometimes 20 per cent more. The leaves and stems are covered with fine downy hairs. Lb. 35 cts.; 10 lbs. \$3.

CLOVER SEED

Prices on Clovers, Grasses, and Field Seeds may change as the season advances. Prices here given are those prevailing at the time this catalogue was published.

We shall be pleased to quote you current prices on larger quantities and send samples if desired.

The prices given below are postpaid to Fourth Zonc, but are subject to market fluctuation.



Sweet Clover

ALSIKE or SWEDISH CLOVER (Trifolium hybridum). A perennial variety, sometimes pre-ferred to Red Clover, as it is generally finer and makes better' hay for horses. The blossoms are also valuable for bees. Alsike succeeds on wet, cold, and stiff soils. Sow 8 to 10 pounds per acre. Lb. 40 cts.; 10 lbs. \$3.50.

BOKHARA, or SWEET CLOVER (Melilotus alba). Grows 3 to 5 fcet high, covered with small white flowers of great fragrance. A great bee-plant and good also cattle pasture and for hay. Bokhara roots deeply and is a very hardy grower. It grows very hardy grower. It grows abundantly in Nevada; stands drought. It is a biennial which reseeds itself. Sow 10 pounds to the acre. Lb. 30 cts.; 10 lbs. \$2.50.

CRIMSON, or ITALIAN (Trifolium incarnatum). An annual variety, growing 20 to 30 inches high. Lb. 30 cts., 10 lbs. \$2.50.

MAMMOTH RED, or SAPLING (Trifolium pratense). Similar to Red Clover, but coarser, taller, and more hardy. Sow from 12 to 15 pounds per acre. Lb. 50 cts.; 10 lbs. \$4.50.

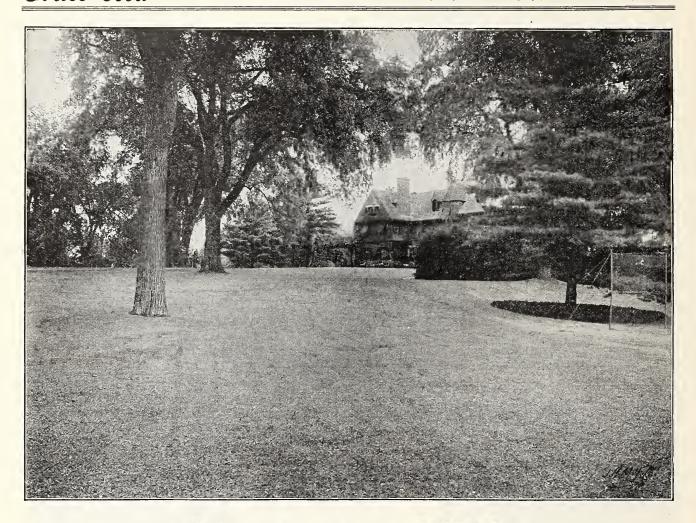
BITTER CLOVER (Melilotus indica). Not good for forage or hay, but is the cheapest and one of the best cover crops. Starts early to grow, and is of good size when ready to plow under; annual. Sow 10 to 15 pounds per acre. Lb. 15 cts.; 10 lbs. \$1.25.

RED CLOVER (Trifolium pratense). Standard Clover for all purposes. Yields very heavily and makes superior hay, especially if mixed with timothy. Sow from 12 to 15 pounds per acre. Lb. 40 cts.; 10 lbs. \$3.50.

WHITE DUTCH (*Trifolium repens*). Dwarf, spreading, vine-like variety, with white blossoms; used largely for bee-pasture. It is also an excellent pasture plant for either sheep or cattle; makes a beautiful lawn. Sow 10 pounds per acre. Lb. \$1; 10 lbs. \$9.



CLOVERS, and How to Grow Them. By Thomas Shaw \$2 postpaid



GRASSES FOR LAWNS

One pound of seed will sow 125 to 105 square feet of lawn

Bowling-greens, golf-courses, and good lawns require good seed, and care should be taken to plant the right kind of grasses to suit the different soils. Several different mixtures and formulas, such as used for our Morse's Golden Gate Park Lawn Mixture and Morse's California Lawn Mixture, as put up only by us will give the desired results. We shall be pleased at all times to give all the information we can on the laying-out of lawns and coacses.

Owing to market fluctuations, please write us for prices on larger quantities. Prices quoted below are postpaid to Fourth Zone

MORSE'S GOLDEN GATE PARK LAWN MIXTURE contains the most hardy grasses which are used to make the sod for the park playgrounds where the grass has to endure much trampling over. The mixture also contains a very little white clover. Lb. 40 cts.; 10 lbs. \$3.75.

MORSE'S CALIFORNIA LAWN MIXTURE. Our best general mixture for fine lawns; contains only the finest-leaved grasses in the correct proportion to make a good, fine, perennially green turf. Lb. 70 cts.; 10 lbs. \$6.50.

MORSE'S SPECIAL SHADE MIXTURE. We again offer this mixture for growing under trees, near to houses, and in the shade generally. Lb. \$1; 10 lbs. \$9.

MORSE'S TERRACE MIXTURE. Just the mixture for those dry terrace slopes. Very hardy and drought-resisting. Lb. 60 cts.; 10 lbs. \$5.

MORSE'S VELVET LAWN MIXTURE. A lawn grass for wet places. Lb. 70 cts.; 10 lbs. \$6.50.

MORSE'S PUTTING-GREEN MIXTURE. This makes a very springy, fine turf, which will mat and stand lots of hard wear. Lb. 75 cts.; 10 lbs. \$7.

PACIFIC RYE GRASS (MORSE'S). A fine-leaved Rye Grass, very durable and wonderful on a sandy soil. Lb. 30 cts.; 10 lbs. \$2.50.

PERENNIAL RYE GRASS. For growing quickly this variety has no superior. It is light green in color, very vigorous, grows well in winter, and likes any soil. The most used of any grass around San Francisco. Lb. 25 cts.; 10 lbs. \$2.25.

KENTUCKY BLUE GRASS. Makes an excellent lawn of a dark green color. It forms a fine mat, and with care and water is the best lawn grass for all soils except sandy ones. **Lb. 75c.**; 10 lbs. \$7.

WHITE CLOVER. This is the little dwarf-growing Clover used for lawns, either alone or in grass mixtures. Lb. \$1; 10 lbs. \$9.

BOOK ON LAWNS. By Leonard Barron. \$1.60 postpaid

GRASS SEED

Our grass seeds are purchased by us from the best possible source for reliability, and all stock is tested before being offered. Owing to the frequent fluctuation of the market it is advisable to write us for current prices on quantities.

One pound prices given below are postpaid to the Fourth Zone

PERENNIAL RYE GRASS. Specially selected and recleaned. It is a quick-growing grass and does well on sandy soils. Lb. 25 cts.; 10 lbs. \$2.25. Write us for prices on larger quantities.

AWNLESS BROME GRASS (Bromus inermis). Will stand droughts and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest growers and succeeds on our dry hillsides. Sow 35 pounds per acre. Lb. 50 cts. Write us for prices on larger quantities.

BERMUDA GRASS (Cynodon Dactylon). Is a dwarf perennial plant and spreads by means of its long and many-jointed rootstalks, and for this reason is hard to eradicate once it has secured a foothold. Thrives during the hottest part of the year, and will live under water for a long time. Makes a durable lawn and is also used to hold embankments. This grass is much used for lawns about Sacramento. The seed is very slow to germinate and requires heat and moisture. Sow 10 pounds per acre. Lb. 50 cts. Write us for prices on larger quantities.

CHEWING'S FESCUE (Festuca duriuscula). A variety of Hard Fescue, and used by most of the golf clubs extensively in their mixtures. Forms a compact mat; stems are hard. succeeds well even under poor conditions. A good pasture grass for dry lands. Sow 30 pounds per acre. Lb. \$1. Write us for prices on larger quantities.

CREEPING BENT GRASS (Agrostis stolonifera). Being of fine texture this grass is most valuable for lawns and ideal for puttinggreens. It is of rapid growth and spreading habit, and makes a strong, enduring turf. Best commercial grade. Lb. \$2.50. Write us for prices on larger quantities.

CRESTED DOG'S TAIL (Cynosurus cristatus). Should enter in moderate quantity in permanent pasture and lawn mixtures. does well in the shade, roots deeply, is stoloniferous and perennial. Valuable in mixtures for lawns, putting-greens and for pasture. If sown alone 30 pounds should be used per acre. Lb. 75 cts. Write us for prices on larger quantities.

ITALIAN RYE GRASS (Lolium italicum). Thrives in almost any soil and yields early and abundant crops. Sown in the fall, will produce an excellent hay crop the following season, but lasts only one year. Much sown in Humboldt County for pasture and hay. Not recommended for lawns. Sow 45 pounds per acre. Lb. 25 cts. Write us for prices on larger quantities.

KENTUCKY BLUE GRASS (Poa pratensis). Fancy or double, extra clean. As this grass takes some time to become established, it is preferably sown in mixtures for pasturage. Is truly perennial and prefers lime soils. As a lawn grass it is the finest there isspreading habit, even cexture, permanent, fine leaf and dark color. For pasture sow 50 pounds per acre; for lawns, 4 to 5 pounds per 1000 square feet. Lb. 75 cts.; 10 lbs. \$7. Write us for prices on larger quantities.

MEADOW FESCUE, or ENGLISH BLUE GRASS (Festuca pratensis). A valuable grass for permanent pasture and for rather damp meadows for cutting. Makes a quick second growth, but does not do so well on dry soils. Sow 30 pounds per acre. Lb. 50 cts. Write us for prices on larger quantities.

MESQUITE (Holcus lanatus). Hulled seed. Valuable on the cleared redwood and pine lands of California and Oregon, giving large crops of hay and good pasture. Sow 35 pounds per acre. Lb. 35 cts. Write us for prices on larger quantities.

ORCHARD, or COCKSFOOT GRASS (Dactylis glomerata). One of the most valuable of all pasture grasses; produces an immense quantity of forage, and hay of best quality. After being mown, comes up quickly and yields very heavily. Suitable for pasture under trees. Sown in the ashes on cleared redwood land in Humboldt County. Not suitable for lawns, as it grows in tussocks. Sow 35 pounds per acre. Lb. 35 cts.; 10 lbs. \$3. Write us for prices on larger quantities.

PEARL MILLET (Pencillaria). A perennial plant for fodder. Grows tall and yields an enormous amount of corn-like leaves. Sow in drills or broadcast, using 3 to 5 pounds per acre if in drills, or 25 pounds broadcast. Lb. 35 cts. Write us for prices on larger quantities.

PERENNIAL RYE GRASS (Lolium perenne). It grows rapidly and makes a good showing within a month from time of sowing. The great pasture and meadow grass of Great Britain. Valuable for planting early on dry hillsides, as it grows so very quickly. Not adapted for below zero weather. Sow 45 pounds per acre. Lb. 25 cts.; 10 lbs. \$2.25. Write us for prices on larger quantities. RED, or CREEPING FESCUE (Festuca rubra). Forms a close, rich sod and is valuable in lawns and should be in shade mixtures. Makes a close, lasting turf on dry, sandy soils, and can be used to bind dry banks. Also an excellent bottom grass for moist mixture. Sow 30 pounds per acre. Lb. \$1.25. Write us for prices on larger quantities.

RED-TOP, or HERD'S GRASS (Agrostis vulgaris). Second only to Timothy as hay grass, and better if the ground is to be pastured afterward, for Red-Top makes one of the best permanent pastures. Succeeds on all soils, though doing best on moist and even swampy land. A permanent grass and valuable as a lawn grass giving quick effect. Sow 40 pounds per acre. Lb. 45 cts.; 10 lbs. \$4. Write for prices on larger quantities.

RHODE ISLAND BENT GRASS (Agrostis canina). Like Red-Top, this grass accommodates itself to all soils. Especially valuable for lawns on sand at the sea-coast. It is largely from it that the lawns at Newport are made. Is perennial, dwarf, and makes a beautiful, close turf. Very scarce; write us for prices.

ROUGH-STALKED MEADOW GRASS (Poa trivialis). Excellent for pastures and meadows, particularly on damp soils. As a lawn grass it forms a fine turf and does well in shaded locations. Sow 20 pounds per acre. Lb. 75 cts. Write us for prices on larger quantities.

SHEEP'S FESCUE (Festuca ovina). Short and dense in growth; excellent for sheep pasture because it will thrive on poor, gravelly, shallow or hilly soils where other grasses fail. Not recommended for lawns under ordinary conditions because it bunches. Sow 35 pounds per acre. **Lb. 75 cts.** Write us for prices on larger quantities.

SUDAN GRASS. It yields from 2 to 8 tons of hay per acre, depending upon whether irrigated or not. Two cuttings are assured and in places four have been taken. The hay is of superior quality and relished by all stock. Cut with a mower just after full bloom. Plant late in spring after frost is past. If drilled in rows 36 inches apart, you will require 2 to 4 pounds of seed to the acre; if seeded in rows 18 to 20 inches apart, 4 to 6 pounds; if broadcast, 15 pounds. Lb. 15 cts.; 10 lbs. \$1.25. Write us for prices on larger quantities.

SWEET-SCENTED VERNAL GRASS (Anthoxanthum odoratum). True Perennial. Emits an agreeable odor which it imparts to

hav or to the lawn when being cut. Sow only in mixtures, using 2 or 3 pounds per acre. Lb. \$1. Write us for prices on larger quantities.

TALL MEADOW OAT GRASS (Avena elatior). Of rapid, luxuriant growth during winter and spring, recommended for winter planting as a valuable pasture and hay grass. It gives a good yield. This variety is not a lawn grass. Sow 50 pounds per acre. **Lb. 50 cts.** Write us for prices on larger quantities.

TIMOTHY (Phleum pratense). Timothy is the great standard hay grass of the eastern part of the country. Not adapted for pasture, as there is little growth after cutting, and tramping of stock soon destroys it. Not a lawn grass and not adapted to dry soils. Height 2 to 3 feet. Will stand extreme cold and yields very heavily. Often sown with Red-Top and Red Clover. Sow 15 to 20 pounds. Price fluctuates. Lb. 20 cts.; 10 lbs. \$1.50. Write us for prices on larger quantities.

WOOD MEADOW GRASS (Poa nemoralis). A very valuable grass for growing under trees and in shady places. Lb. \$1.75.



Timothy

MISCELLANEOUS FARM SEEDS

All our seeds are recleaned and of the best possible grade. Owing to the frequent fluctuations in the prices of Clover and Field Seeds, we do not list large quantity prices, but, if interested, please write us for samples and present quotations. We carry immense stocks of general farm seeds, and are able to quote lowest prices on dependable seeds. The one pound prices given below, are postpaid to Fourth Zone, but are also subject to change.

- ALFILARIA (Erodium cicutarium). One of the most nutritious of fodder plants and well liked by cattle and horses. Alfilaria will thrive and make good pasture on dry hillsides. May be found on Mt. Tamalpais as a pasture. Seed mats and must be hand-sown. Sow 20 pounds per acre. Lb. 75 cts.
- AUSTRALIAN SALT BUSH (Atriplex semibaccata). A valuable forage plant for poor soils, especially those containing alkali. Sow seed in the fall to get the benefit of early rains, using I to 2 pounds per acre. After the plant gets a good start it will grow with very little moisture. In cutting fodder be careful not to injure the crown of the plants. Lb. 75 cts.
- **BUCKWHEAT, COMMON.** The best and most profitable variety. It is earlier than Silver Hulled and usually more productive. Is also excellent for bee-pasture. Plant Buckwheat after frosts have gone. Valuable for a catch crop. Sow 25 pounds per acre. **Lb. 20c.**
- CANADA FIELD PEAS. A strong, vigorous Pea often planted for green manure to plow under in the spring. Also for mixture in hay or for fodder. Makes an excellent winter growth when sown in fall. Sow 75 pounds per acre broadcast. Lb. 20 cts. Larger quantities on application.
- COWPEAS, BLACK EYE. This is the Common Cowpea extensively grown in the interior valley. It has a long root and stands heat well. Cowpeas are partly hardy to frost—more so than beans. The seed of this sort looks like a bean and is often called Black-Eye Bean. Sow 20 pounds per acre if drilled. Lb. 20 cts.; market varies.
- COWPEAS, WHIPPOORWILL, or SPECKLED. Largely sown to make a rich succulent growth to plow under to enrich the soil. This makes a good long vine. Mixed with soybeans they make an excellent crop. Will grow in an acid soil. Sow 60 pounds per acre if broadcast. Lb. 20 cts.
- EMMER. A valuable grain from Russia. It is adapted to a wide range of soils and climate, and is of superior feeding value, yielding much more heavily than oats and barley. This grain grows tall, like rye, matures as early as barley, and yields from 40 to 80 bushels to the acre, and from 4 to 6 tons of straw hay. Tough and hardy, it stands the drought better than any other grain, making it a sure crop. Prepare your land as you would for wheat or oats, and sow at the rate of 75 to 100 pounds per acre. Sow very early in the spring or fall, and do not let it stand until it gets too ripe before cutting, as any grain that yields well, shells easily. In the green state it makes an excellent pasture. Lb. 15 cts.
- ESPARCETTE, or SAINFOIN (Onobrychis sativa). A valuable plant for growing on poor land and barren hills. When once established it lasts for years. Is a leguminous plant, like alfalfa, and has a similar feeding value. Sow seed fairly deep. 30 pounds per acre. Lb. 40 cts.
- **HEMP.** We carry Oriental Hemp for use as bird-seed. Kentucky Hemp, for fibre purposes, we can quote on request for delivery at 45 days. **Lb. 15 cts.** Write for prices.
- KALE, JERSEY or COW. A tall-growing variety having a large bunch of cabbage-like leaves on top of a stout stem. Is much grown for chicken- and cow-feed. The green feed from these plants is very great, and is borne continuously. Pkt. 10 cts.; oz. 20 cts.; ½lb. 45 cts.; lb. \$1.25.

FARM AND GARDEN RULE BOOK. No matter what you want to know about gardening or farming, you will find it in this up-to-date book. Price \$3.40, postpaid.

- MILLET, GERMAN (Panicum germanicum). Will grow on any good land and yields heavily when artificially watered; yields from 40 to 60 bushels of seed per acre, which is excellent food for stock or poultry. A good, green fodder plant. Sow 30 pounds per acre. Lb. 20 cts. Write for prices.
- MILLET, HOG. The seed is large for a Millet and makes a rich food. Good for hogs or chickens. The seed ripens while the stem is yet green, so that if cut promptly you can get a crop of seed and also one of fodder or ensilage. Lb. 20 cts.
- NILES PEAS. Used principally for green manure. Is a strong, vigorous grower, making long vines and good roots. Sow broadcast, using 75 pounds of seed per acre. Lb. 20 cts. Larger quantities on application.
- PASPALUM DILITATUM (Dallis Grass). A new grass for hot, dry climates. A hardy perennial from Australia, growing 5 feet high without getting tough, and seems to be particularly adapted for grazing dairy cattle. It stands drought remarkably well, shoots rapidly again with the first shower of rain, and is a splendid winter grass. The seed requires about three weeks of moist, genial weather to germinate it, but once established, it seems to stand anything. Sow 8 or 10 pounds per acre. Lb. 80 cts.
- RAPE, DWARF ESSEX. A biennial crop, used principally for sheep and hog pasture, of which it yields an abundance of the best quality. Is usually sown broadcast, using 4 to 5 pounds per acre. Lb. 25 cts.; 10 lbs. \$1.80.
- **SOJA BEAN.** Valuable as a forage crop or green manure. Also as a green fodder and silo plant. Sow 30 pounds per acre after danger from frost is past. **Lb. 20 cts.**
- SUNFLOWER, LARGE RUSSIAN. This bears large heads, frequently 12 to 20 inches in diameter and sometimes yielding 1000 pounds of seed per acre. The seed is used for feeding chickens and parrots. Sow in the open field as soon as danger from frost is over, using 3 pounds of seed per acre, sowing in rows 5 feet apart and thinning to 1 foot. Lb. 15 cts. Write for prices.
- **TEOSINTE** (*Reana luxurians*). A forage plant somewhat like corn. The seed should not be sown until all danger of frost is past. If cut for green forage, which can be done at any stage during growth, two or more joints should be left at the base of the stalk. These will sprout out quickly into fresh growth, making an even larger crop than at first cutting. Sow in drills 4 feet apart, using 4 pounds of seed per acre. **Lb. 60 cts.**
- VELVET BEAN. Grows taller and larger than any other soil plant, being sometimes 30 feet in length. Sow same as cowpeas, in rows 5 feet apart and in hills 4 feet apart in the row. Lb. 25 cts.
- VETCHES, SPRING, or TARES (Vicia sativa). Also called Common Vetch, Oregon Vetch and Oregon Winter. A plant resembling pea vines and valuable for forage or green manure. As a hay crop, it is usually sown with oats or wheat to hold them up. Sow 60 pounds per acre with grain, or 80 to 100 pounds if sown alone. Is hardy and makes a fine winter growth. Largely planted in the orange groves of the South for green manure, and plowed under in the spring. Lb. 20 cts.; 10 lbs. \$1.50.
- HAIRY, or SAND VETCH (Vicia villosa). Roots deeply and makes a good wintergrowth. Cut as soon as the blossoms appear. Adapted for sandy soil and cold weather. Lb. 35 cts.
- VETCHES, WINTER or WOOLLY-PODDED (Vicia dasycarpa). A new winter Vetch somewhat similar to Hairy or Sandy Vetch. Very valuable for a cover crop. Lb. 30 cts.; 10 lbs. \$2.50.

COVER CROP AND GREEN-MANURE CROPS

- CLOVER, BITTER (Melilotus indica). The crown of the plant has many stalks leading out from it. Sow shallow, 10 to 15 pounds per acre. Flowers yellow. Bitter clover makes a wonderful winter growth, averaging 14 tons of green growth per acre when allowed to attain full growth. Starts quickly, as it is an annual. Inoculation greatly helps it add nitrogen. The bitter taste prevents use for hay or fodder. Lb. 15 cts.; 10 lbs. \$1.25. Write for prices on larger quantities.
- BUR CLOVER (Medicago denticulata). Lb. 35 cts.; 10 lbs. \$3. SPRING VETCH. Lb. 20 cts.; 10 lbs. \$1.50.
- CANADA FIELD PEAS. Excellent for cover crop or for forage for cattle. Makes good growth even if planted late. Sow 70 to 80 pounds per acre. Inoculated soils are essential. Lb. 20 cts. Larger quantities on application.
- SWEET, or BOKHARA CLOVER (Melilotus alba). Lb. 30 cts.; 10 lbs. \$2.50.
- WINTER VETCH (Vicia dasycarpa). For sandy soils this is a splendid sort. It stands cold well and makes a large winter growth because it starts early. There is no vetch any better than this sort. Sow 40 pounds per acre. Lb. 30 cts.; 10 lbs. \$2.50.

SORGHUMS

FOR FORAGE AND GRAIN

Deep plowing and thorough harrowing so as to secure the best possible seed-bed. Four pounds of White Milo should be ample per acre; three to four pounds of Feterita. Planting should not be done until the ground has warmed up, which would generally be about the last of April. If a cornplanter is used, the seed should be dropped about 18 inches apart, in the row, the rows being 40 to 44 inches apart. All varieties are non-saccharine except Honey and Early Amber.

VARIETY TO PLANT. Some Sorghums require an extra amount of heat to mature grain; these are Kaffir, Shallu, and Honey. Milo, either Red or White, and Feterita are well adapted for the valley around Sacramento. Under irrigation these are exceptionally heavy yielding. If planting late or if moisture is short, plant Egyptian Corn. This will make a crop with very little moisture.

WRITE FOR PRICES ON LARGE QUANTITIES

BROOM CORN (Improved Dwarf Evergreen). Extensively used for making brooms on account of its green color and fine long, straight brush. It grows about 7 feet high. Sow 10 pounds per acre. Lb. 20 cts.

DWARF WHITE MILO. Succeeds under a wider range of conditions than others of its class. Yields very heavily in grain and also heavily in fodder or silage. Our seed is specially grown and selected for heavy yield. **Lb. 15c.**

EGYPTIAN or JERUSALEM CORN. It is considered a good grain for dry sections and seasons. It produces several small heads on side shoots, often as many as eight heads on a stalk. The seed makes excellent chickenfeed. Plant 8 pcunds per acre. **Lb. 15 cts.**

FETERITA. Birds do not eat this grain to the same extent that they do others, and this is a great advantage in some localities. Feterita yields heavily in grain. Plant in May. Lb. 15 cts.

HONEY SORGHUM. (Saccharine.) For Forage and Silage. Grows 8 to 12 feet high and yields up to 27 tons per acre without irrigation, which is a third more than its nearest competitor. Matures late (150 days). Syrup can be made from this sort. Sow 3 to 4 pounds per acre in rows 3 to 6 feet apart. Lb. 20 cts.

KAFFIR CORN, WHITE. Grows from 6 to 10 feet high and thrives in hot, dry climates. Makes good fodder for cattle and the seed is used for stock and chicken food. Sown in rows 3 feet apart, using 3 to 5 pounds per acre. **Lb. 20 cts.**

RED MILO. Makes many side shoots and is a heavy yielder. Lb. 15 cts.

SHALLU, or EGYPTIAN WHEAT. A tall-growing Sorghum which has many stalks from one root. Sow in rows for grain, using 3 to 5 pounds per acre, or broadcast using 30 pounds for fodder. **Lb. 20 cts.**

SUGAR-CANE SORGHUM, EARLY AMBER. A good fodder if cut when the heads form, or good silage if cut when full grown. Early Amber is quick maturing and therefore best for late sowing. Syrup can be made from this variety. Sow 5 pounds of seed per acre in drills or 25 pounds broadcast. Lb. 15 cts.



Sorghum in Field

PASTURE MIXTURE OF GRASSES

We have two mixtures of grasses which are excellent for pasture. They contain all of the best grasses for feeding, including those highly priced. No effort has been spared to get the best. Sow 40 pounds per acre.

Write for prices on large quantities

MORSE'S WET PASTURE MIXTURE. Lb. 40 cts. MORSE'S DRY PASTURE MIXTURE. Lb. 40 cts.

GRAINS. We carry nothing but recleaned grains suitable for seed purposes. COMMON BARLEY, BEARDLESS BARLEY, WHEAT, RYE, BLACK, RED, AND WHITE OATS. Write us for prices on any quantities you may require.



Use **FARMOGERM**, the original seed **Inoculant**. Inoculated legumes are Nature's fertilizer, the cheapest in the world. Leguminous crops, with their nitrogen fixing bacteria, give a fertility to the soil that no other crop does.

Farmogerm inoculation has been tested and tried for years, and its efficiency thoroughly proved. No culture is as good as Farmogerm. Do not gamble with poor cultures.

It is to be remembered that when a leguminous crop is used, which has been inoculated with **Farmogerm**, you are adding greatly to the fertility of the soil, by the nitrogen that crop has stored up from the air.

Practical farmers praise Farmogerm, and we highly recommend it.

Special bacteria for every crop. In ordering, be sure to state what crop you want inoculation for.

Good for { Alfalfa Alsike Clover Burr Clover

Bitter Clover Red Clover Sweet Clover White Clover Garden Peas Canada Peas Cowpeas Soy Beans Garden Beans

Peanuts Sweet Peas

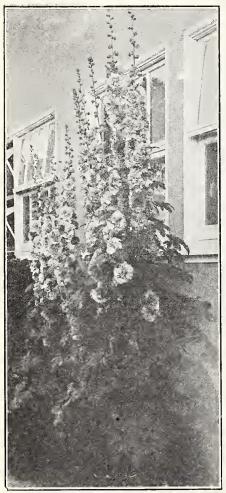
1/4-acre size, 50 cts. Postage paid to the Fourth Zone, 55 cts. 1-acre size, \$1.00. Postage paid to the Fourth Zone, \$1.10.

3-acre size, \$2.50. Postage paid to Fourth Zone, \$2.65. 12-acre size, \$9. Cannot be mailed, should go by express.

VITAMITE

A bacteria that is applicable to all plant-life. Mix with twenty-five times its volume of earth. Will secure a thorough distribution of bacteria over the area spread. Five pounds of Vitamite is sufficient to inoculate an acre of ground. Lb. 60 cts.; 5 lbs. \$2.75; sack lots, 40 cts. per lb. Circulars and prices on larger quantities sent on request.

Flower Novelties for 1923



Hollyhock, Alameda Pink

New Hollyhock, Alameda Pink

A beautiful new strain of varying light pink shades of the semi-double, crinkly type usually called "Allegheny" The foliage is deep green, large, and thick, and is quite distinct from other varieties of Hollyhock. The plant stems are unusually thick and grow to a height of 5 to 8 feet. The blossoms are very attractive and artistic and it is much the best pink Hollyhock in existence.

While the stock is a strain we have been trying to "fix" to one definite color, it will not always come true, but breaks into slightly varying shades of pink, though all are remarkably fine tints of light rose and pink. The blossoms, however, are uniformly large and the petals are thick and substantial.

A beautiful effect can be obtained by planting this Hollyhock against a gray wall or house and banking against them some tall spikes of light blue delphinium and ageratum or other light blue flower.

Realizing that anyone planting this Hollyhock will use it freely, we are giving unusually heavily filled packets, as quoted below.

It is one of the most easily grown flowers, and if the seeds are planted in a protected spot and transplanted to the garden before May I, one can easily have flowers in bloom by midsummer. While an annual, it will bloom the second season, but it is not well to allow it to grow more than two summers, when the plants should be dug up and replaced with fresh ones.

Remember, for a beautiful pink garden, nothing can be better than this new Hollyhock, Alameda Pink.

Pkt. 15 cts.

New Sweet Peas, Morse's Brilliant Blend

SEE ILLUSTRATION ON BACK COVER

In the process of making new Sweet Peas by crossing and hybridizing, we sometimes have developed what we call "breaks," which are colors and sizes that will not reproduce themselves in the true type. We do a great deal of Sweet Pea development work and are responsible for introducing and naming over fifty varieties. Every year we

devote a great deal of space and time to what we call our "Sweet Pea Workshop," where new varieties are made, and old varieties are "fixed."

Among our "breaks," we have discovered the past two seasons that we had a particularly stubborn type that contains about a dozen vary-

rieties of immense size, all in scarlet, rose, and pink shades. Some of the colors are light pink, edged with scarlet, some are pure rose, both light and deep, and some are bright scarlet. The effect of the coloring in the field is dazzling, and when gathered and bunched the result is most pleasing.

We have decided that while there is a great demand for new varieties, nothing would be more pleasing in the garden than this, which we have named "Morse's Brilliant Blend."

In disseminating new varieties, it is usually necessary to put but very few seeds in the packet. In this instance, however, we can give liberal packets so that one can make a generous planting.

Pkt. 15 cts.; oz. 60 cts.

Asters, California Giant

A NOVELTY OF MERIT

Crego or Ostrich Feather type, having very robust habit and long stems. Flowers are much larger and more substantial than the Crego, often measuring 5 to 6 inches in diameter. A good keeper and makes an excellent shipping flower.

Their immense size and beauty, as well as their long and sturdy stems,

make them very attractive for both garden and vase.

Peach-pink; Light Blue; Deep Rose; Dark Purple; and Mixed. Each, pkt. 15 cts.; ½oz. \$2



Aster, California Giant

Morse's Flower Seeds · 1923

We use the following abbreviations: "h" for hardy, that is—the ability to withstand frost without injury; "hh" for half-hardy; "t" for tender, the least frost will kill it; "A" for annual, or lasting for 1 year only; "B" for biennial, or 2-year plants—these flower 6 to 10 months after sowing; "P" for perennial; "hA" would be hardy annual, etc.

ALL FLOWER SEEDS AS LISTED ARE POSTPAID



Alyssum, Carpet of Snow

ABRONIA umbellata (Sand Verbena). hA. A trailing plant 1 bearing umbels of verbena-like rosy lilac blossoms\$0 ABUTILON (Flowering Maple; Chinese Bellflower). hhP. The flowers are beautifully bell-shaped, and appear in White, Vellow, Rose, and Orange. Mixed Colors	
ACHILLEA Ptarmica, The Pearl (Sneezewort; Double White Varrow). One of the best hardy perennials; bears a profusion of small, double, white flowers during the entire season. Fine for cutting and cemetery decoration. Height, 2½ feet	15
Double Mixed	10 10
ADONIS (Flos Adonis; Pheasant's Eye). hA. Flowers crimson and small. Seed should be sown in the autumn. Height, I foot	10
AGERATUM · Floss Flower Valuable for bedding, as it is literally covered with blossoms	
summer. Sow the seed early in the spring, either in boxes to traplant, or outdoors, and thin to 4 to 6 inches. hA. Blue Perfection. Deep blue. Height, I foot	kt.
Mexicanum, Imperial Dwarf Blue. Height, I foot. Flowers blue Mexicanum. Imperial Dwarf White. Flowers white.	10
Height, 8 inches. Little Dorrit. A perfect mass of blue flowers. Plant is 6 inches high Little Blue Star. Very dwarf.	10 10 15
AGROSTEMMA (Rose of Heaven). hP. This plant has F silvery white leaves and red flowers, borne on long, slender stems. Flowers resemble a single pink. Height, 2 feet \$0	
ALONSOA Warscewiczii compacta. Bright scarlet annual, about 10 inches high	10
ALVICCIA BA	

ALYSSUM · Maritimum

A fragrant, hardy annual, having the odor of honey and bearing spikes of small white flowers in great profusion throughout the summer and autumn.

Common Sweet. Very sweet honey fragrance. Height, I	Pkt.
I foot	10
Carpet of Snow (Little Gem). Pure white, very dwarf and	
sweet-scented. The best white-flowering border plant.	
Height, 4 inches	10
Saxatile. hP. A yellowish sort 18 inches tall	10

AMARANTUS

Hardy annuals grown especially for their brilliant foliage. Pl	ĸt.
Caudatus (Love-lies-bleeding). Light yellowish green foliage;	
long, drooping, crimson flower spikes. Height, 3 to 4 feet \$0	10
Cruentus (Prince's Feather). Tall spikes of feathery red	10
flowers. Height, 3 feet	10
leaves variegated, red, yellow, green, etc	10
AND CONTRACTOR OF CONTRACTOR O	—
AMPELOPSIS Veitchii. See Boston Ivy.	
ANCHUSA capensis. hA. A clear, bright blue flower with Pl	kt.
small white eye, resembling a forget-me-not but taller, larger and of brighter color. Height, 2 feet	10
Italica, Dropmore Variety. hP. Flowers are of deepest	
gentian-blue and are borne continuously. A good tall plant	
for the center of a bed. Height, 4 feet	15
ANEMONE, Single, Giant de Caen. hhP. Cup-shaped	
flowers in blue, red, and white. Bulbs of Anemones are	
unobtainable now but plants flower in ten months from seed	10
St. Brigid (Irish Anemone). Enormous semi-double blooms,	10
the size of tulips, in a great variety of striking colors	15
ANTIRRHINUM. See Snapdragon.	
AQUILEGIA. See Columbine.	
ARC (OTIS grandis (African Lilac Daisy). Large, branching	
bushes, 2 feet in height and breadth. Flowers are pure	
white on the upper surface and pale lilac below	10
ARISTOLOCHIA Sipho (Dutchman's Pipe). Strong-growing,	
hardy climber, with large, thick, shining foliage and yellow- ish brown, pipe-shaped flowers. Seed takes two to three	
months to germinate	10
ARMERIA. A very pretty border plant with grass-like foliage.	
Flowers rose-pink, borne on 4- to 6-inch stems	10
AUSTRALIAN PEA VINE (Dolichos lignosus). hhP. A	
rapid-growing evergreen climbing perennial, flowering freely	
in clusters of rose pea-shaped flowers. For covering arbors,	
trellises, etc., this is extra fine oz. 60 cts	10
ASPARAGUS. tP. Seeds start slowly and should be soaked	
in warm water before sowing. Makes a pillar climber where there is little frost.	
Plumosus robustus. The tall Asparagus Fern, with delicate	
feathery foliage	10
feathery foliage	
ery	10
ing branches. For hanging-baskets 100 seeds 50 cts	10



Ageratum or Floss Flower

MORSE'S ASTERS

The Aster is the queen of the late summer flowers—it is equally good for cut-flowers and for bedding. Morse's varieties are all of the fine large American kinds with flowers 4 to 5 inches across. An Aster bed is a mass of color, from white through delicate pinks to rich red and from palest lavender to deepest purple. Sow Aster seed in boxes in January and transplant to the garden about April I to 15, or sow in the open in April. hhA.

New Aster, California Giant

For description and illustration of these wonderful large Asters. see Flower Novelties, page 34.

Morse's Mammoth Asters Twisted Petal Type

Morse's Mammoth Asters have petals just a little broader than Crego's and less twisted. Their growth is fairly compact like the old Comet variety. They have fine large flowers, over 4 inches across and sometimes 5 inches, borne on long stems. They are entirely new and different from all of the other Asters, and have a great charm in the delicacy of their flowers. Every garden needs some of these new Asters.

Morse's Mammoth White. Morse's Mam. Shell-pink

Morse's Mammoth Rose Morse's Mammoth Purple Morse's Mammoth Lavender | Morse's Mammoth Mixed

Pkts. 20 cts. each

Pink Rochester (Mikado)

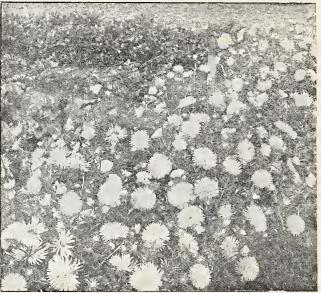
This variety is the first to bloom of the very large Asters. Flowers, often $4\frac{1}{2}$ inches across, are borne on very long, graceful stems. They are white when first open, changing to a soft pink with age. Pkt. 10c.

Morse's Stanford

It's just the Stanford University color-a dark red. This color is most unusual and striking in Asters and is one often sought. Morse's Stanford is of the branching type but moderately tall, and is ideal for bedding.



Morse's Mammoth Aster



Morse's Asters

Crego's Giant Asters

No garden is complete without Asters. Crego's are a giant, shaggy petaled kind, with very large flowers having long, twisted petals. The stems are long and the variety is early and branching. Crego's Asters are exceedingly popular, and Morse's strain has exceptionally fine flowers.

Crego's Giant Crimson Crego's Giant Lavender Crego's Giant Purple

Crego's Giant Rose-pink Crego's Giant Shell-pink Crego's Giant White

Six pkts. of named Crego's Asters for 50 cts. Mixed, pkt. 10 cts.; 1/4 oz. 65 cts.

Semple's, or Giant Branching

The plant grows $1\frac{1}{2}$ feet high and the same in width. The blossoms which are large and full petaled, are borne on long stems or branches. Comes into flower ten days after the other Asters. The petals are straight and the flower is beautiful. Best colors.

Pink or Rose White Purple

Crimson

Mary Semple (very light pink).

Any color, pkt. 10 cts.; 1/40z. 50 cts. Collection of 6 varieties, 50c. Mixture of colors, pkt. 10 cts.; 1/20z. 50 cts.

New England Perennial Aster (Michaelmas Daisy)

Our splendid autumn-flowering Asters, greatly improved as to size. Height, 4 feet. Blue, Lilac, and Pink. Mixed, pkt. 15 cts.

Three Most Valuable Books for California

California Garden Flowers, Shrubs, Trees and Vines..... Price \$1.50; postpaid to Pacific Coast, \$1.60

These three books are standard and authentic works on these subjects of Fruit-growing, Vegetable-raising, and general Flower-garden-ing about the home. Written by Prof. Edward J. Wickson—one who knows California conditions thoroughly

·
BACHELOR'S BUTTON. See Centaurea Cyanus.
BALLOON VINE, or LOVE-IN-A-PUFF. Climbing annual Pkt. oz. 40 cts. \$0 10
BALSAM, or LADY'S SLIPPER. A tender annual, with brittle stems and foliage. Grows about a foot high. Flowers, both single and double, in bright colors and variations, are wax-like and grow close to the stem. Camellia-flowered. Mixed. The largest double variety 10
BALSAM APPLE, or PEAR. See Momordica. BARTONIA aurea (Golden Bartonia). hA. A native of Cali-
fornia. Bright yellow, single flowers, 2 inches across. Sow the seeds where the plants are to remain, since it does not transplant easily. Height, 2 feet

BEGONIA

Usually grown in the greenhouse. Some varieties are especially attractive on account of their foliage, but most varieties have exquisitely beautiful wax-like flowers, both single and double. The seed is very small and rather difficult to germinate and must be planted in boxes or pots indoors. It is also very expensive, some strains being worth far more than their weight in gold.

FIBROUS-ROOTED VARIETY

Fine for outdoor culture, having beautiful leaves and bearing

TUBEROUS-ROOTED VARIETIES For greenhouse and pot-culture, having large, beautiful flowers with four petals in brilliant colors. Many prefer to start bulbs in

December and January.

50 50
kt.
10
10
k I

BRACHYCOME (Swan River Daisy). hA. Produces an abun-

BROWALLIA. hhA. Makes a fine bedding plant. Blooms profusely. The flowers are bright ultra-marine blue, and

also sky-blue with white center.

dance of pretty blue and white flowers. Height, 8 inches...



Candytuft, or Iberis



Calendula, or Pot Marigold

CALAMPELIS (Bugle Vine). A well-known beautiful annual P	kt.
climber. Trained to a trellis or south wall it is ornamental	
throughout the summer, its bright orange, tubular flowers	
contrasting effectively with the delicate green foliage\$0	10
CALANDRINIA umbellata. P. Portulaca-like plants, fond	
of sunshine; well suited for rock-work. Vivid crimson-violet.	
Height, ¼foot	10
CALCEOLARIA. tP. Used largely in green houses and con-	
servatories.	
Grandiflora. Large-flowered, self-colored, profuse pocket-	
shaped flowers.	50
Tigered and Spotted, Mixed	50
CALIFORNIA POPPY. See Eschscholtzia.	

CALENDULA · Pot Marigold

Very hardy annual, I foot high, blooming freely at any time of year, including winter, and for several months. Is of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive.

Double Mixed. A good mixture of eight to ten different shades Pkt. of yellow, some clear colors and some shaded and striped

oz. 25 cts \$0	10
Lemon King. Large, very double, lemon flowers	10
Meteor. Yellow flowers, striped with orange	10
Prince of Orange. A fine deep orange; double	10

CANDYTUFT · Iberis Very hardy, easy to grow, and very fragrant. The blossoms are borne

Mixture of all Colors	10
Gibraltarica. P. Lilac, shading to white	10
$\frac{1}{4}$ oz. 25 cts.; oz. 75 cts	10
of Giant Empress and excellent for cut-flowers	
heads and long spikes of white flowers. An improved strain	
Giant Hyacinth-flowered (Improved Empress). Very large	
White Rocket. Long spikes and large flowers	10
Purple. Branching	10
Lilac. Branching	10
Carmine. Branching	10
Common Sweet-scented. Small white flowersoz. 30 cts. \$0	
	kt
very fragrant. Valuable for bedding or massing and for cutti	
on long spikes, and the newer varieties are quite large nowering a	

CANARY-BIRD FLOWER (Tropæolum canariense). A tender Pkt. climbing annual of the nasturtium family. Blossoms have curiously wrinkled petals and are light yellow. Soak seed over night before planting......oz. 40 cts...\$0 10

CALLIOPSIS	
	kt.
Atrosanguinea. Dark maroon. Plant is tall and flowers are small. One of the old-fashioned flowers	10
Golden Wave. A large-flowering light yellow variety with maroon eye 1/20z. 25 cts	10
Bicolor hybrida semiplena. Semi-double flowers of garnet and yellow. The old-fashioned small Coreopsis	10
Mixed. A gorgeous mixture of golden yellow, brown, maroon, and other shades	10
Lanceolata. See Coreopsis. Tiger Star (C. nana compacta radiata)	10
	kt.
plants have large ornamental leaves and give a tropical effect. Bronze-leaved\$0 10 Mixed\$0 Green-leaved	10
CANTERBURY BELLS	
Campanula Medium. A hardy biennial, blooming the second year from seed, or the first year if sown early. Easily grown and preferring rich, moist soil. Grows about 3 feet high and bears double and single varieties of blue, white, purple and deep pink flowers. Single Mixed, Single White. Single Pink. Single Blue. Double Mixed. Each, pkt. 10 cts. Carpatica (Carpathian Harebell). dP. Fine for rockeries, edges, and beds. Blue and white bells. Height, o inches.	
Mixed Cup-and-Saucer Type. In this variety the outer petal forms a brim like a	10
saucer. Mixed	10 10
Mixed Pyramidalis (Chimney Bellflower). P. Large bells on 6-foot spikes; blooms late. Blue	10
Six 10-cent pkts. of any of the above for 50 cts.	10
JAPANESE BELLFLOWER (Platycodon grandiflora). P. A giant Bell- flower growing 2 feet tall and covered all summer with large, steel-blue	Pkt.
flowers\$0	10
CASTOR-OIL BEAN (Ricinus). This has large leaves and a tropical appearance. All it requires to make it flourish is heat. It is a quick-grow-	



Canterbury Bells

CARNATIONS

Carnations may be had in all gardens. The florists' varieties are propagated from plants. Sow the seed early in the year and transplant in March or April. hhP.

Chabaud's Everblooming. Earliest dwarf French type of perpetual P	kt.
blooming Carnations, flowering in five to six months after seed is	
sown. The flowers are double. Mixed Colors\$0	15
Malmaison Giant. Mixed colors	15
Picotee. Extra-fine, double, mixed. White, edged with colors, or striped	
and splashed. Contains many rare sorts never seen at a florist's	25
Giant Grenadin. This is an extra-fine double variety, far superior to	
the Marguerite carnation. It comes in red, white, yellow, and pink	15
	10

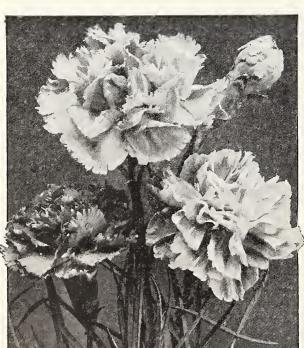
COCKSCOMB · Celosia cristata

FEATHERED COCKSCOMB (Celosia plumosa)

CHINESE WOOL FLOWER (Celosia Childsii)

20

New variety. Has a crimson, globe-shaped head, like a ball of crimson silky wool.



ing annual, 6 to 15 feet tall. Leaves are green or reddish.

Mixture of all Varieties......oz. 25 cts...

Giant Grenadin Carnation

CENTAUREA

Centaureas embrace a number of species, some being grown only for their foliage. Sow the seed early in boxes and transplant in March or in the open in April. All make excellent cut-flowers, except the white-leaved sorts. Height, $1\frac{1}{2}$ to 2 feet.

CYANUS (Bachelor's Button; Bluebottle; Corn	nflower)	. Of eas	y Pkt.
culture. Sow the seed where it is to remain	n and th	nin plant	s
to 3 to 4 inches apart.		10 -1-	\$0.10

Mixed	10
Blue, Single. The most popular blue cut-flower	10
Blue Double. New and extra fine	10
Pink	10
White	10
IMPERIALIS (Royal Sweet Sultan). The finest of all Sweet	
Sultans. The plants are very strong and bear giant flowers	
on stiff, long stems; excellent for cutting, lasting a week	
when cut.	
Mixed	10
Purple Shades 10 Lavender	10
White 10	
Suaveolens. Yellow	10
Gymnocarpa. P. Called "Dusty Miller." Leaves silvery	
gray, deeply cleft. Height 1½ feet	10
Candidissima (White-leaved; Dusty Miller). P. Grown for	
its silvery white foliage; leaves broader and less cleft than	
Gymnocarpa, Height, 8 inches	10

CHRYSANTHEMUM

The double perennial Chrysanthemum so much admired at the florists is the sort we call Japanese Hybrids. We sell plants of these late in the spring. The annual varieties are smaller flowered, upright in growth, and of easiest culture, coming into bloom early.

ANNUAL VARIETIES

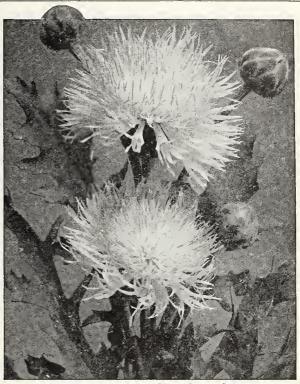
Seeds should be planted early and the plants set out in April.	
single varieties sometimes called "Painted Daisies." Very attract	ive.
Height 1½ to 3 feet.	kt.
Mixed\$0	10
Coronarium, Double, Mixed	10
Tricolor Burridgeanum. Daisy-like flowers with yellow	
center, crimson-maroon band, and white tips	10
Tricolor, Eclipse. Golden yellow daisy-like flowers with	
purple ring; very striking	10
Tricolor, Mixed	10
Evening Star (Helios). This is a tall plant with large, Mar-	
guerite-like flowers of pure golden yellow, 3 inches in diameter.	
Flowers are borne singly and are excellent for cutting	10
Morning Star. Like Evening Star, only of different color.	
This is a soft yellow or primrose color	10
Northern Star. Another variation of these beautiful Mar-	
guerites. Fine, large, ivory-white flowers with sulphur zone.	10
Six 10 cent pkts. of the above-named Chrysanthemums for 50	cts.



JAPANESE HYBRIDS

A mixture of the large-flowering, florists' varieties. These are the large, autumn flowers used in exhibitions and by florists. They are usually grown from cuttings and do not come true from seed. Pkt. 25 cts.

CLEOME (Giant Spider Plant). A hardy annual, growing 4 to 5 feet high and bearing in profusion rosepurple blossoms that are shaped something like a spider. A strong grower. Pkt. 10c.



Centaurea imperialis (Giant Sweet Sultan)

CINERARIA

Heads of daisy-like flowers in purple, red, blue, or white, with a dark eye surrounded by a ring. Does very well in shaded positions, under trees, etc. Cinerarias are much prized as pot-plants and do well in a cool greenhouse. Sow seed in summer in boxes or cool house. Height, I to 2 feet. tP.

	Hybrida, Mixed. The best variety, having large flowers of P	kt.
	brilliant colors\$0	25
ı	Grandiflora, Dwarf, Mixed	35
į	Grandiflora, Stella. Twisted petals	35
	Maritima candidissima (Dusty Miller), Silvery foliage;	
	hardy border plant. Height 2½ feet	10

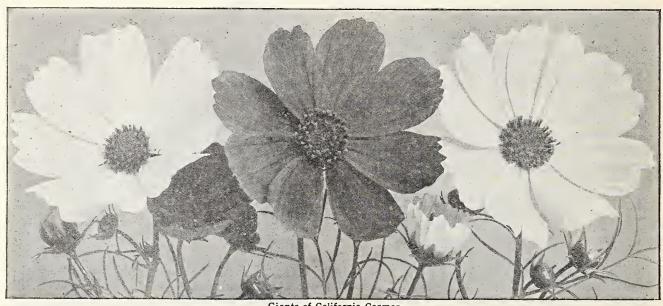
CLARKIA

This hardy annual is of easy culture, bearing bright rose, white, or purple flowers in great profusion. The single type is native to California and is a wild flower. Seed can be sown almost any time, but if sown in the fall will give early blossoms in the spring. The Elegans varieties grow 2 feet tall with flowers in spikes. The seedlings should be pinched back twice to make bushy plants, once to 3 inches and again to 9 inches.

Elegans, Carmine Queen, Just loaded with double carmine Pkt.

Liegans, Carmine Queen. Just loaded with double carmine P	
flowers along the stems\$0	10
Elegans, Double, Mixed	10
Elegans, Single, Mixed	10
Elegans, Vesuvius. Bright coral-pink blooms, 11/2 inch across,	
shading deeper and more intense at center. They are very	
double, like rosettes, and are borne an inch apart on stiff, red	
stems which contrast beautifully with the color of the flower.	
Height, 15 to 18 inches	10
Pulchella, Tom Thumb. Double; white	16
Salmon Queen	10
COBÆA scandens. hhP. A fine, large, purple-flowered vine.\$0 COCKSCOMB. See Celosia cristata.	t. 10
CONVOLVULUS. See Morning-Glory.	
COREOPSIS. hP. No flower blooms longer during the whole	
season than Coreopsis. It is a most excellent cut-flower,	
lasting well. Flowers bright yellow, large, and showy.	
Easily grown from seed. Height, 2 feet.	
Easily grown from seed. Height, 2 feet.	

Lanceolata grandiflora.....



Giants of California Cosmos

CLEMATIS. A popular hardy perennial climber. An old P favorite, and justly so, for there are few garden climbers that give more satisfaction. Jackmanii \$0 Large White Large-flowered, Mixed COLEUS. A tender perennial grown for its beautiful, bright-colored, velvety leaves. Valuable for window-garden or pots, and can also be grown outdoors if taken up in winter. Height, 10 to 18 inches. Morse's Extra Large-leaved, Mixed COLUMBINE • Aquilegia A hardy perennial growing about 2 feet high and bearing flow	٧kt.
	10
Large White	10
Large-flowered, Mixed	10
	25
COLUMBINE · Aquilegia	
A hardy perennial growing about 2 feet high and bearing flow	vers

of a great variety of colors on long, smooth stems. Stands partial shade very well.

Californica hybrida. Large yellow flowers, orange spurs. An \$0 15 improvement on our native sort... Chrysantha. Pure golden yellow single flowers, long spurs. 10 10 15 Skinneri (Mexican Columbine). Flowers crimson and light 10 10



Columbine (Aquilegia)

	A free-flowering		
	height of I to 2 fee		
purple, etc.	. A Calífornia wild	flower.	
Mixed			\$0 10

COSMOS

One of the very finest late summer and fall flowers, and an excellent cut-flower. The bushes grow tall—6 to 8 feet—and are loaded with large showy blossoms, 5 inches in diameter, in white, pink, or crimson. Cosmos should be in every garden. Sow the seed early and transplant,

of sow later in spring where it is to remain. IIA.	
P	kt
Double Pink Beauty. Clear pink, with double crest\$0	15
Double White Queen. Pure white	15
Early Varieties. Morse's strain of these is truly giant and	
very early. Flowers in 75 days from seed.	
Early Crimson\$0 10 Early White	-10
Early Pink 10 Early Mixed	16
Giants of California.	
Pinkoz. 50 cts 10 Whiteoz. 50 cts Crimson. oz. 50 cts 10 Mixedoz. 45 cts	10
Crimson, oz. 50 cts 10 Mixed oz. 45 cts	16
Klondyke. A late-blooming variety with bright yellow blossoms.	10
CN/CH ARATRI	
CYCLAMEN	

Persicum giganteum. Large flowers; very free blooming. Mixed \$0 25 Crimson King Album. Pure white 35 Pink Pearl Rubrum. Red 35 Salmon 35 35 Rubrum. Red..... Papilio. Butterfly type; fringed edges... CYPRESS VINE (Ipomæa Quamoclit). A tender, climbing Pkt.

annual, with soft fern-like foliage and small star-like flowers in red, pink, or white. Mixture of all colors ... DAHLIA. Dahlias will bloom the first year from seed, and while they do not come true to variety they are very inter-

esting to grow. Single Mixed Double Mixed 10 Cactus Mixed Morse's Hybridized Mixed. Special hand-hybridized seed. Many varieties of prize-winning Dahlias have been produced here in California from our hybridized seed

10

15

DAISY, Shasta. A fine perennial plant, bearing large, white, single blossoms, with yellow centers; an excellent cut-flower. Soak seed in warm water before sowing..... Alaska. One of Burbank's creations.....

Double. See Bellis perennis.

DIDISCUS cærulea (Lace Plant). Beautiful light blue flow-

DIANTHUS · Pinks

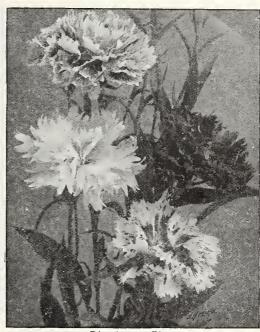
Nothing is prettier or more satisfactory than old-tashioned Japanese
Pinks. They should be in every garden. They are hardy, about
I foot high, and bear beautifully colored single and double blossoms
in profusion all summer. Sow seed early in boxes and transplant, or
sow in rows where the plants are to remain and thin. See also Carna-
tion. Pkt.
Chinensis (China or India Pink), Double White\$0 10
Double Mixed 10
Heddewigii (Japanese Pink), Finest Single Mixed
Finest Double Mixed
Diadematus fipl. (Double Diadem Pink). Large double
flowers in many colors
Mourning Pink. Very dark crimson, margined pure white 10 Laciniatus, Single Fringed Pink
Laciniatus, Single Fringed Pink
Single Fringed White 10
Single Fringed Mixed 10
Imperialis (Double Imperial Pink). Very large 10
Plumarius (Grass Pink; Pheasant Eye; Scotch Pink). A single
hardy perennial Pink with light-colored flowers having a
darker center; various colored. This makes a fine border or
flowering_bed. Constantly in bloom
Plumarius, Double (Double Clove Pink). A double-flowered
sort, in various colors like the single. The foliage makes a
pretty border; flowers delightfully clove scented 10
Barbatus. See Sweet William.
Carvophyllus. See Carnation.

DIGITALIS · Foxolove

9	
Grows usually about 3½ feet, although in very rich soil it sortimes reaches 6 feet. The bell-shaped flowers are borne on long spik	
Thrives best in cool, shady locations. Hardy perennial. P1	
Pink. Mottled \$0 10 White \$0	10
Purple 10 Mixed ½0z. 60 cts	10
DIMORPHOTHECA aurantiaca hybrida. hA. Beautiful P flowers in all shades from white, to cream, yellow and salmon. \$0	
polichos (Hyacinth Bean). Tender annual climber and very rapid growers. Sow seed in open ground late in April. Lablab. Mixed	10
DUSTY MILLER. See Centaurea and Cineraria	



Eschscholtzia, or California Poppy



Dianthus, or Pinks

ESCHSCHOLTZIA · California Poppy

The California Poppy is an exceptionally bright and handsome The California Poppy is an exceptionally bright and handsome flower. It adorns the fields and railway embankments. If your premises have a wild or uncultivated plot, by all means plant some Eschscholtzia seed. It grows easily and once seeded will reseed itself. Sow the wild sort by the pound over the hillsides. Multiply the native flowers by the thousands. The leaves of Eschscholtzia are fine cut and feathery. Sow in the fall out in the open for the plants do not transplant well. Height, I to I½ feet. hA. Californica. The bright, orange-yellow, wild variety... Pkt.

oz. 30 cts.; lb. \$2.75	0 10
Carmine King. There is nothing prettier than this rich car-	
mine-rose Eschscholtziaoz. 80 cts	10
Chrome Queen. Light yellow with just a shade of apricot—	
a wonderful color; flowers frilled	10
Crimson-flowering.	10
Crocea. Pure deep orange	10
Erecta, Mandarin. Brownish gold; erect plant	10
Morse's Extra Golden. A fine selection of the dark wild Cali-	
fornia Poppy. This is the finest colored Eschscholtzia and its	
richness of color is unequaled. Should be in every garden	
oz. 30 cts.; lb. \$3	10
Golden West. Very large, orange-colored blossoms, shading	
to canary-yellow at the edges	10
Mandarin. Blossoms are copper colored outside and bright	
yellow inside the petalsoz. 50 cts	10
Mikado. Orange-crimson	10
Purple Glow. Reddish purple	10
Rose Cardinal. Creamy rose	10
Tango. Bronzy red overlaid terra-cotta	10
Vesuvius. Red and gold	10
White. Large ivory-white	10
Six 10 cent pkts. of any of the above, 50 cts.	
Bush Eschscholtzia. See Hunnemannia.	
EVENING PRIMROSE. See Œnothera.	Pkt.

EVERLASTING PEA. See Lathyrus latifolius.

EVERLASTING FLOWERS. See Acroclinium, Gomphrena, Helichrysum, Honesty, Rhodanthe, Statice, Xeran-

FLAX. See Linum.

FLOWERING MAPLE. See Abutilon. FLOWERING SAGE. See Salvia.



Gaillardia grandiflora

FORGET-ME-NOT · Myosotis

UCHSIA (Ladies' Eardrop). tP. A well-known plant of easy culture in pots for the conservatory, parlor decoration, or the open ground. Start seed early under glass.

Single Mixed.....

GAILLARDIA

A very showy garden plant with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn on long, slender stems. Both single and double varieties are hardy. Height, 1½ to 2 feet.

Pkt.

GERBERA. See Transvaal Daisy.

GEUM, Mrs. Bradshaw. A brilliant scarlet-cardinal flower the size of a large carnation, which it somewhat resembles . .

	GILIA. A hardy annual, growing I foot high, with white, lilac, or rose-colored flowers. A native of California. Valuable for rockwork or borders. Sow seed in the fall. Mixed Achilleæfolia. hA. This pretty Gilia is common about San Francisco on the hills and sandy ground. Flowers come in clusters 1½ inches across and often give a blue look to the fields. Height I foot	Pkt. 0 10
	GILLIFLOWER. See Ten-Weeks' Stocks. GLOXINIA. Beautiful hothouse plants, with large, bell-shaped blossoms, which come in rich, velvety texture and red, white, or purple in color. Grandiflora, Mixed	50 50
	GODETIA	
	Tall Sorts, Fine Mixed	10 10
Lady Albemarle. Ta Liberty Bell. Double Schamini flpl. To clear light pink bloom	inches. Duchess of Albany. Tall; white	10 10 10 10
low hardy perenn 3 feet	ago canadensis). Well-known golden yel- ial, flowering late in summer. Height,	

GOURDS

Height, 8 inches.....

Some varieties, besides being odd, are very ornamental. Mixed Ornamental Varieties..... 10 Calabash or Pipe Gourd..... 10 Chinese Bottle. A useful variety; large bottle-shaped shell.... 10 Dish-Cloth, or Luffa. The inside lining makes a sponge; very 10 **Dipper or Siphon.** Can readily be made into a dipper...... 10 Hercules' Club. Four feet long; club-shaped..... 10 Nest-Egg. Like a hen's egg and frequently used for nest-eggs . . Sugar-Trough. Useful for buckets, holding from 2 to 10 gallons. 10 Turk's Turban. Red, green striped, etc. Small..... 10

ORNAMENTAL GRASSES

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GYPSOPHILA

(Baby's Breath)

Florists all use this to make up their bouquets. The plant is feathery and has small white flowers. Most easy to grow. Height, 2 to 3 feet. hA or P.

Muralis. Pink flowers. A fine border Pkt. plant. Height, 6 inches..........\$0 10
Paniculata. hP. Fine for bouquets; white flowers. This is especially feath-10 ery and delicate...

Elegans grandiflora alba. This is an improved Elegans with larger flowers 10 and pure white.....

Elegans rosea. A beautiful soft pink.

HELENIUM autumnale superbum. Pkt. A showy perennial, 5 to 6 feet tall, producing large, deep yellow, single flowers during the summer and fall. Fine for cutting......\$0 10

HELIANTHUS. See Sunflower.

HELICHRYSUM (Everlasting Flower). hA. Is the best and most satisfactory of the Everlasting Flowers and makes a very handsome dried bouquet. Height, 3 to 4 feet.

Bronze, Pink, Red, Salmon, and Monstrosum, Mixed.....

HELIOTROPE. Beautiful hhP. porch plant 4 to 8 feet tall. The fragrant flowers are small and come in clusters. Blooms the first season from seed if sown early. As it forms a large Pkt. plant it requires a roomy situation. Can also be grown as a pot plant. Finest Mixed......\$0 10

HESPERIS. See Sweet Rocket.

HIBISCUS, Giant Golden Bowl. Very large flowers, 6 to 8 inches across, of deep cream color, with velvety maroon center. Plants grow from 3 to 5 feet tall, are perennial, and 10 10 with a crimson eye, 6 inches across.....

HOLLYHOCK

Some grow to the top of the second story window and in some gardens they grow only 8 to 10 feet tall. The double ones are usually about 6 feet tall. Hollyhocks were in all the old gardens. Nothing makes a better boundary. Our doubles are very fine indeed. hP. DOUBLE VARIETIES Pkt.

Black.. Rose-pink..... Canary-yellow 10 Mixed . White 10 SINGLE VARIETIES, Mixed. The old-fashioned blossoms in all colors.. 10 see Flower Novelties, page 34.

HONESTY (Satin Flower; Money Plant). hB. The flat, silvery Pkt. seed-pods are used for winter decoration in the house; pretty and different from anything else. Height, 2 feet.. \$0 10

HUMULUS japonicus (Japanese Hop). A rapid-growing, tender climbing annual with dense leaves. Will grow 20 to 10

HUNNEMANNIA fumariæfolia (Bush Eschscholtzia). tA. Known also as the Santa Barbara Poppy. Here is a lemoncolored, poppy-shaped flower which will bloom all summer. Foliage fine-cut and feathery; flowers 3 inches across.... 10 HYACINTH BEAN. See Dolichos.

ICE PLANT (Mesembryanthemum crystallinum). The thick leaves seem to be covered with crystals..... 10

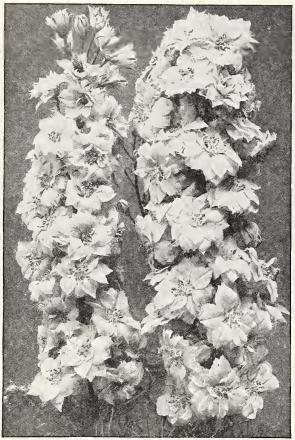
IMPATIENS Sultani (Zanzibar Balsam). Much prized for window culture. The foliage is waxy green, and with the semi-transparent branches makes a plant in itself attractive. The bright rosy carmine flowers are produced continuously.....



Planting of Double Hollyhocks

IPOMOEA

Beautiful annual outdoor climbers of luxuriant growth and fine for covering verandas and arbors, or for screening unsightly objects. The flowers are like giant morning-glories, to which they are closely related. The seed of several varieties, especially the Moonflower, should have the outer shell punctured and then soaked in water for eight hours or more to hasten germination. Height, 10 to 15 feet. tA. Bona-nox (Evening Glory; Good Night). Large, fragrant Pkt. violet blossoms, expanding at night... Coccinea (Star Ipomœa). Small scarlet blossoms; vines about **Grandiflora alba** (Moonflower). Large white blossoms, 5 to 6 inches across, which expand at night. The vine grows very rapidly, as much as 50 feet in a season, and is covered at night and in the early morning with a multitude of fragrant white flowers; leaves large. Fine to cover anything in one season... oz. 75 cts.. 10 Sky-Blue Moonflower. Large flowers, 4 inches across, of the softest cærulean blue, shading to white at the edge.... 10 Heavenly Blue. A tall climber with large, light blue flowers, yellow throated, and measuring 4 to 5 inches across...... 10 Imperial Japanese. See list under Morning-Glory. 15 Setosa (Brazilian Morning-Glory). A. The vine has large, overlapping leaves, 8 to 10 inches across, which make a dense shade; useful for covering porches or garden fences. Flowers delicate light reddish purple with pink star in center, in 10 clusters..... INCARVILLEA Delavayi. Flowers are old-rose, borne on Pkt. spikes 1½ feet tall. The leaves are much cut and are decorative in themselves. Resembles a gloxinia...... \$0 10 JAPANESE HOP. See Humulus japonicus. KAULFUSSIA amelloides. A. The whole effect of this plant is a medium-sized, intense blue daisy. Fine for bedding. Flowers a clear, even, light blue in color, 11/4 inches across. Height, 10 inches 10 KENILWORTH IVY. A hardy perennial trailing plant, especially adapted for hanging-baskets, window-boxes, or for trailing over walls..... KOCHIA trichophylla (Summer Cypress). Also called "Burning Bush." A. Forms dense, oval bushes, 2 to $2\frac{1}{2}$ feet high, of small, feathery, light green foliage. As summer advances this changes to a carmine hue and finally to a KUDZU VINE (Pueraria Thunbergiana), hP. Also called "Jack-and-the-Beanstalk." The first year it will grow 10 feet and the next up to 50.....oz. 60 cts...



Double Stock-flowered Larkspur

LARKSPUR

There are two classes of the Larkspur which are quite distinct—the annual and the perennial. Both are very fine flowers.

HARDY ANNUAL VARIETIES

These Larkspurs grow about 1½ to 2 feet high. They produce a profusion of bloom in a great variety of bright colors; of easiest culture, doing well in any soil.

Double Stock-flowered. Very double annual Larkspur with Pkt. many branches. It gives a mass of bright color and is fine for cutting all summer. Flowers come all round the spike. Height, 2½ to 3 feet.

11018110, 2/2 00 3 1000.	
Dark Blue\$0	10
Lilac	10
Lustrous Carmine (Newport Pink)	10
	10
Shell-pink	_
White	10
Mixed	10
Dwarf Rocket, Mixed. Dwarf plant for bedding; double flow-	
ers. Height, I foot	10
Azure Fairy. Like Blue Butterfly, only the finest shade of	
azure-blue	2
Blue Butterfly. A very handsome blue Larkspur with an	_
	1.
abundance of flowers on each stalk	1

HARDY PERENNIAL VARIETIES (DELPHINIUMS)

These are taller than the annual sorts and their brilliant flower-spikes arrest your attention even at a distance. The foliage is attractive and the plants strong and neat in habit. By keeping the plants well watered and the flowers cut, a second crop of bloom may be had, and from some a third. The seed is a little difficult to start, so we advise sowing in a box in prepared soil and under a glass.

Belladonna. One of the very prettiest varieties. The flowers Pkt. are a clear turquoise-blue. \$0 20 Cardinale. This is the grand Southern Scarlet Larkspur, one of the brightest and finest of California's wild flowers. Height, 3 to 5 feet. 20

Hardy Perennial Larkspurs, continued	
Elatum hybridum. Blue, of various shades, with black I center; very handsome. Height, 3 to 5 feet	25
LATHYRUS LATIFOLIUS	
Perennial or Everlasting Pea	
A hardy perennial climber, thriving in any good soil.	
Pink Beauty. The ground of the petals is white, edged and shaded with pink. Crimson Mixed White. The best variety for cutting, especially for florists' use.	10 10 10 10
LAVATERA arborea (Tree Mallow). A showy hedge-plant,	
growing about 6 feet high and covered with cup-shaped flowers. Much used for windbreaks about San Francisco. Sow in May in the open ground and thin young plants to a foot apart. Pale purplish red flowers. Trimestris splendens. A half hardy annual, with large, single bright pink flowers. A great favorite in England. Trimestris alba. Same as above, but white	10 10 10
to 3 feet high, bearing verbena-like clusters of flowers, in orange, rose, and other colors. Blooms constantly all summer.	Pkt.
Fine Mixed	
LAVENDER. P. Delightfully fragrant flowers LEMON VERBENA. hP. The leaves of this fine old favorite are delightfully fragrant and refreshing. Grown easily from	10
seed	10
LEPTOSYNE maritima (Sea Dahlia). This is in full flower in winter, with yellow daisy-like flowers, 3 inches across. The plant is about 2 feet high and has succulent divided foliage. Get acquainted with this flower. It grows wild on the seacoast	10
LINARIA hybrida, Excelsior. Flowers are borne in open	
heads on long, upright stems. The colors are mostly violet and light purple. LINUM (Flowering Flax). hA. Can be sown early outdoors	10
and thrives well in good soil.	
Rubrum (Scarlet Flax). A very showy bedding plant, as the flowers are right on top of the plants. The plant is in bloom for a long time and a bed makes a mass of bright color	

LOBELIA

LION'S TAIL (Leonotis). A woody shrub growing 5 feet tall. Blossoms in late summer. Flowers orange......

10

15

Perennial Flax. Blue.....

Both annual and perennial and hardy. The annual varieties grow 4 to 6 inches high, are of compact growth and literally covered with small, bright flowers. By cutting back the plants during the summer and giving plenty of water, they may be kept in flower until autumn. Used for ribbon work and borders or hanging-baskets.

ANNUAL VARIETIES

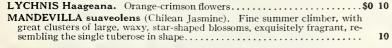
ANNUAL VARIETIES
Erinus compacta, Celestial. The finest intense blue for Pkt.
edging. Flowers are borne well on the top of the plant, com-
pletely covering it with a mass of intense blue
Erinus compacta, Crystal Palace. Deep blue flowers and
dark foliage. A constant bloomer; fine for dark blue borders.
Height, 6 inches
Erinus compacta, Snowball. A very large-flowering pure
white Lobelia for edging. A fine companion to Celestial 10
Erinus compacta, Mixed 10
Erinus gracilis. Light blue; trailing; light green foliage. Ex-
cellent for hanging-baskets
Erinus, Light Blue. A fine bright blue; excellent for blue
borders; foliage light green; plant compact 1/80z. 50 cts 10
Erinus speciosa. Deep-blue flowers; dark foliage; trailing 10
- "

PERENNIAL VARIETY

LUPINUS · Lupins

Hardy native California annuals, in great variety, growing from I to 3 feet high, and bearing spikes of pea-shaped flowers. Hartwegii Lupins are much improved, large-flowering annuals. These come into flower early and bear fine spikes 2 feet tall. Of the easiest culture. Sow in the open ground and thin to 6 inches apart.

		PKI.
Cruikshankii. Dark blue; long racemes	\$	0 10
Hartwegii albus. Pure white: fine		10
Hartwegii albo-coccineus. Crimson, tipped white, the whole effect b	eing	
pink		10
Hartwegii atroviolaceus. Dark violet		10
Hartwegii, Blue. Clear deep blue	10	
Hartwegii cœlestinus. Fine azure or very light blue of even color.		
Thoroughly charming	10	
Hartwegii roseus. Pink	10	
Hartwegii superbus. Rosy purple and white	10	200
Hybridus roseus. Long spikes of bright pink flowers	10	
Nanus. Our little blue-and-white wild flower. It carpets the fields in	- 6	
late May. Plant by the pound over your grounds. oz. 35c.; lb. \$3.25.	10	
Polyphyllus, Mixed. P. This is an extra handsome Lupin. The		
flower-spikes are tall (1½ feet) and the leaves are rich, bright		
glossy green. Attractive at all timesoz. 40 cts	10	
Mixture of all Colors	10	-
What are or an Colors	10	-
		Dirt





Eldorado. The best tall variety, with Pkt large, double blossoms in shades of yellow. Mixed ½oz. 40 cts... \$0 10 emon King. Perfectly superb, light yellow flowers 41/2 to 5 inches across ... FRENCH VARIETIES

Golden Ball. Extra dwarf, very double. A new, compact, bright golden Mari-gold. Height, 15 inches Gold-Edged. The flowers are orange and maroon. Pretty and unusual. Like Golden Ball, is good for bedding; double.

Dwarf, French, Legion of Honor. Single; brown and yellow.... Dwarf French, Mixed. Small flow-striped; small flowers... Morse's Florist's French. The beautiful French Marigold used so much for the florists' trade ... 1/20z. 50 cts...
Morse's Selected Striped. Tall French

10

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MIGNONETTE A well-known favorite in all old-fashioned

type, 21/2 to 3 feet high and just loaded

all the season with most striking flow-

ers, 2 inches across.....



gardens. Cultivated for its fragrant flowers, which come quickly. Set on compact spikes. May be sown at any time of year about San Francisco. In other places sow in early spring. Height, I foot. Allen's Defiance. Long spikes of whitish flowers; compact grower..... Golden Machet. A compact-growing variety, with medium-long, thick spikes of yellow flowers. ½cz. 40 cts...

oliath. Wonderful spikes, over 12 inches tall, and equally strong and 10 Goliath. Wonderful spikes, over 12 inches tall, and equally su large. Something new and remarkable when well grown 10 Pure Machet. A compact-growing variety, with thick spikes and large-size flowerets 10

Sweet-scented (Reseda odorata)......oz. 30 cts... MATRICARIA (Double White Feverfew). P. White, double, button-like Pkt. flowers: useful for cutting......\$0 10 MATTHIOLA bicornis (Evening-scented Stock). hA. Purple flowers. Not the handsome Ten-Weeks' Stock.....



African Marigold

MAURANDIA, Giant-flowering. tP. Beau- Pkt. tiful climber for either garden or greenhouse decoration and for hanging-baskets. duces a profusion of gloxinia-shaped flowers of rich purple, white, and rose.

Mixed colors MICHAELMAS DAISY. See New England Aster.

MIMULUS

A half-hardy perennial, growing from 6 inches to I foot high. Blooms freely and in a large variety of colors. Useful for window-gardens and pot-work, or for gardens in a moist, shady situation. Cardinalis. Scarlet-flowered perennial. Height Pkt.

1½ feet; useful for a border; free flowering ... \$0 10 Moschatus (Musk Plant). Fragrant plant, with small, yellow blooms, spotted lightly with brown. Queen's Prize. P. The flowers are large and most brightly colored and spotted in shades of yellow, orange, coppery red, and pink. Does well in any place but prefers cool location. Height, I foot....

MINA lobata. A fine annual climber which Pkt. grows very rapidly to a height of 20 to 30 feet in a season. Orange-red flowers. Useful for arbor, trellis, etc.

Pkt. of 20 seeds, 10 cts.

MOMORDICA Balsamina (Balsam Apple). A climbing annual, growing about 10 feet long. Has graceful and ornamental foliage, yellow flowers and warted, golden yellow fruit, with large carmine-red seeds. Balsam Apple and Balsam Pear are climbers which thrive in hot locations and are much planted around sam Apple, but fruit is pear-shaped and fol-

iage larger..... MOONFLOWER. See I pomæa grandislora alba.



Border of Dwarf Nasturtiums

MORNING-GLORY (Convolvulus major)

(See also Ipomœa)

No climber is more popular than is the Morning-Glory. For covering trellises or unsightly back fences they and climbing nasturtiums are most often planted. Morning-Glories grow quickly to a vine 15 feet long and bear a great abundance of brilliant, funnelshaped flowers, of various colors, blue predominating. Soak the seed for two hours in warm water to hasten germination; of easy culture.

Pi	Δt.
Tall, or Climbing Varieties, Mixed oz. 25 cts.; lb. \$2\$0	10
Imperial Japanese. These are by far the handsomest of the	
Morning-Glories, of gigantic size and in colors ranging from	
snow-white to carmine, through every shade of blue and	
purple. The vine is not quite so vigorous a climber as the	
above	10
Dwarf, or Bush Varieties (Convolvulus minor). Useful for	
beds, edges, or hanging-baskets. Mixed	10
Brazilian Morning-Glory. See Ipomæa.	

MOURNING BRIDE. See Scabiosa.	
NEMESIA. A. Nemesias come I foot high and are a mass of	Pkt.
flowers, making them fine for bedding.	
Triumph, Mixed. Flowers of light blue, red, yellow, and	
terra-cotta. Compact form\$	0 15
Compacta, Blue Gem. Clear forget-me-not blue flowers of	
the most pleasing color in fine, compact heads. Height,	
I foot. This is a beautiful bright blue flower	20
NEMOPHILA (Love Grass). A hardy annual California wild-	
flower, growing about 6 inches high. Has small cup-shaped	
blossoms about one inch in diameter, in white and shades	
of blue.	
Mixed	10
Insignis (Baby Blue-Eyes). Its flowers are of a most beau-	
tiful light blue, shading lighter toward the center. A	
pretty wildflower	10
Maculata. White, with each petal spotted violet at tip	10
NICOTIANA (Flowering Tobacco). A half-hardy annual,	
growing 3 feet high, with slender, tubular flower. Belongs	
to the tobacco family. Requires plenty of room in the	
garden.	
Affinis hybrida. Splendid new hybrids of the popular	
Affinis. They possess the delicate fragrance of the parent	
and come in blue, red, rose, white, etc	10
NIGELLA (Love-in-a-Mist). A hardy annual, I foot high,	

with finely cut foliage and oddly shaped blossoms in blue and white, with curious seed-pods. Of easy culture.

CENOTHERA (Evening Primrose). hhA and P. Good flowering shade plants are rare, especially in bright colors. The Evening Primroses like half shade best and are yellow in

Californica. Our new red-budded variety. Flowers are large and bright yellow.....

Damascena

Height, 3 feet...

NASTURTIUMS

Sow the seed where it is to remain late in the spring and after danger of frost is over. the spring and after danger of frost is over. It is seldom necessary to thin the young plants, as they will bloom if close together. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves. This adds to their value for planting over unsightly places. 1A.

TALL or CLIMBING

Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. On cloudy days when "high fog" is overhead, yellow flowers, such as Nasturtiums, are particularly pleasing. A cheerful tone runs through all the shades and the colors are exceptionally bright. exceptionally bright.

Butterfly. Light yellow, with blotch of deep red on lower petal.

Chameleon. A mixture of changing and

inconstant shades, all richly colored and on the same plant. Fulgens. Extra bright crimson, foliage dark.
Gold Garnet. Orange yellow with garnet blotches.
Jupiter. Large, bright, golden yellow.
King of the Blacks. Dark-red flowers and dark foliage. Lucifer. Blossoms deep crimson; leaves brownish green.

Moonlight. Immense creamy yellow flowers.

Orange. Beautiful orange shade.

Regina. Salmon-red, changing to almost cream color. Rose. Very deep rose-pink.

Spitfire. Brilliant flame-scarlet.

All, pkt. 10 cts.; oz. 25 cts., postpaid

Tall Varieties, Mixed. All the named varieties, be-Pkt. sides many others, in a splendid mixture of all colors	Oz.
and shades	\$0 20
Hybrids of Madame Gunther, Mixed. A splendid	
mixture of blotched, shaded, and variously marked	
varieties, in glowing tints \(\frac{1}{4}\)lb. 60 cts.; lb. \(\frac{2}{2}\). 10	25
Ivy-Leaf, Mixed. Bright flowers and with leaves like	
the English ivy	à
Variegated Queen, or Tall Variegated-leaved,	4
Mixed. Every leaf is variegated with yellow, white,	
and green. This gives a new and very handsome ap-	AC.
pearance to the plant. The flowers are of all colors	
and plants come entirely true from seed 10	30

DWARF VARIETIES

The plants form a small, round bush 12 to 16 inches high, which is a mass of bloom all summer. Do not water too much nor sow on rich ground if abundance of bloom is desired. Dwarf Nasturtiums

are excellent to line roadways or wherever a tall border	is pre	etty.
	Pkt.	Qz.
Aurora. Yellow, veined carmine\$6) 10	\$0 25
Chameleon, Mixed. A dwarf mixture of blotched and		
inconstant shades on one plant	10	25
Crimson	10	25
Golden King. Rich golden yellow	10	25
King of Tom Thumbs. Dark scarlet; dark green	10	25
leaves. King Theodore. Very deep crimson—the darkest of	10	25
all, nearly black; dark foliage	10	25
Rose, or Pink. Fine, distinct color	10	25
Rosy Morn. This beautiful new variety of Nasturtium	10	
is a remarkably bright, light cherry-scarlet. The		
plant is compact, with an abundance of flowers which		
are borne well above the leaves	15	
Ruby King. Bright red, tinted salmon	10	25
Queen of Tom Thumbs. Rosy scarlet; bright green		
foliage variegated with creamy white. This makes		
the plant attractive both before and after flowering.	10	25
White, or Pearl. Very light lemon-yellow or primrose.	10	25
Scarlet. Also called "Cloth of Gold." Yellow foliage.	10	25
Variegated-leaved, Dwarf, Mixed. Handsome bed-		
ding; leaves very attractive. Flowers come in all		
colors and contrast with the variegated leaves	10	25
Dwarf Varieties, Mixed. A splendid mixture of all the		
above, besides many other varieties	10	90
¹ / ₄ lb. 60 cts.; lb. \$1.75	10	20

10

MORSE'S SUPERB PANSIES

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers late in the spring. The plants must be transplanted twice in order to get the largest flowers—once from the seed-box to a chosen bed, and again to the open garden. This is important if large-sized Pansies are desired. Use manure liberally. The blossoms are usually larger in the spring and again in the fall, but are small during the hot months.

Morse's Prize Strain. This is a mixture of all the giant-flowered varieties, including both plain-colored sorts, and the new giant ruffled edge and rare varieties. The seed is saved from Exhibition Flowers, and many gold medals have been won in competition by flowers produced from the seed which we use in making our Prize Strain Mixture. Grow this seed with care, following directions, and you will have the most gorgeous giant Pansies imaginable. Pkt. (about 500 seeds), 50 cts.



White . . .

Flowers from Morse's Prize Strain Pansies.

Gorgeous colors and markings

Scarlet. Very beautiful vine with

large, round blossoms of intense

scarlet. Stands only light frosts.

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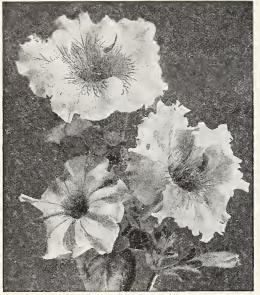
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White (Snow Queen). Pure white. White, with Black Center.

Pkt. 10 cts.; any 6 pkts. 50 cts.

Bedding Varieties, Mixed.



Single Petunias

PETUNIAS

Petunias grow with little attention or care and in any soil when once started and bloom profusely all spring and summer. The large, double varieties do not produce seed, but the pollen from them is artificially crossed on the large, single, and fringed plants, and the seed so produced will make a percentage of double blossoms. The giant-flowered types produce large, single, plain-edged or fringed-edged blossoms, or very thickly double flowers. As Petunia seed is exceedingly fine, start the plants in a box or flower-pot and merely press into the soil after sowing, cover with chopped moss, or sift a little sand over to cover, and, if possible, allow the water to soak up from beneath. The weakest looking plants will develop the handsomest flowers, so save all the plants carefully.

Petunia seed is very fine and very expensive; there is, therefore, but very little seed, almost like dust, in each packet

GIANT-FLOWERED VARIETIES (All fertilized by hand)	Pkt.
Single, Plain Edge, Mixed. Deep throated; brilliantly blotched\$6 Single, Fringed Edged, Mixed. Deep throated, brilliantly blotched	
Morse's Superb Giants. Very strong, vigorous plants with enormous flowers in a great variety of colors, some blotched, some veined and in pretty light	
shades. If you appreciate fine giant Petunias, try these	50
Double, Plain Edged, Mixed. White, blotched and brilliantly colored. About 20 per cent come double	50 50
SMALL-FLOWERED VARIETIES (For bedding)	
Rosy Morn. Bears a great number of flowers which are a bright rosy pink with white throat. The plants are small and compact and flower most freely	10
Dwarf Inimitable, Mixed. A very free-blooming dwarf plant. Cherry-red flowers with white stripes.	10
Fine Mixed. Good mixture of small free-blooming colors	10

PENTSTEMON. hP. Pentstemon sends up spikes of bright- Pkt. colored and spotted flowers somewhat like the foxglove, but in a great variety of carmine shades and colors; decidedly beautiful. Mixed.

Excelsior, Mixed. An extra superb strain of this fine flower. Selected for largest size and finest light colors. You will be pleased with this.....

PERENNIAL PEA. See Lathyrus latifolius.

PELARGONIUM. See Geranium.

PERIWINKLE. See Vinca.

PHYSALIS Franchetii (Chinese Lantern Plant). tA. Has bright yellow or scarlet seed-pods. The fruit inside the pod is sometimes made into preserves..... 10

POPPY

Sow seed in open ground where plants are to remain and thin to 6 to 12 inches. If left thick the plants will be weak and spindling and the blossoms inferior. To avoid getting the seed too thick, it can be mixed with dry sand before sowing.

PHLOX DRUMMONDII

One of the most satisfactory bedding plants because it blooms over so long a time. A hardy annual, growing from 6 inches to I foot high, and bearing beautiful and brilliantly colored flowers. Sow seed in the fall for early flowers.

Pkt. 10 cts.; 6 pkts. for 50 cts.

Alba. Pure white. Atropurpurea. Deep purple. Carnea. Blush-pink, or flesh. Coccinea. Brilliant scarlet. Large Blood-red.

Rosy Chamois. With yellow center. Splendens. Dwarf; bright red, with white eye.

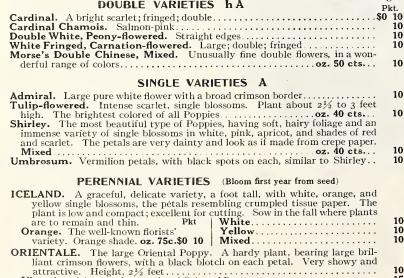
Violet. With white center. Yellow(Isabellina). Soft primrose. Starred and Fringed, Mixed. A mixture producing star-shaped and pointed blossoms.

Fine Mixture of all colors of the

larger types, pkt. 10 cts.; ½oz. \$1.

PERENNIAL PHLOX

Mixed. Individual flowers similar to the annual variety, but Pkt. borne in clusters of 30 to 40 flowers on a tall stiff stem 2 to 4\$0 10 feet high....



Victoria. A large, salmon-colored Oriental Poppy.....



Phlox Drummondii

10

PORTULAÇA

Tender creeping annual, 6 to 8 inches high, bearing glossy, cupshaped blossoms in very brilliant colors. The foliage and stems are thick. The seed germinates slowly and should be started under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground.

	Pkt. \$0 10 Nixed, Large- ng 10
--	----------------------------------

	Often called "Cinquefoil."	Brilliant red
flowers. Height	1 1/2 feet.	Pkt.
Single Mixed		\$0 10

PRIMROSE · Primula

Greenhouse or pot plants, bearing trusses of large, single or double blossoms in bright colors, as well as soft tints. Sow seed in April or May for winter blooming. Our seed is from the very finest strains.

Giant Single Fringed Varieties	9kt.
Alba magnifica. Pure pkt. Bright Blue\$0 white\$0 25 Bright Rose	25
Rosy Morn. Blush-pink. 25 Scarlet	25
Double Fringed. Saved from the finest blossoms	5 0

Half-Hardy Varieties

Auricula. The Primrose of the Alps., Flowers variously col-	
ored, mostly yellow; fragrant. Seed selected from selected	
strainstrain.	15
Obconica grandiflora. A lovely free-flowering Primula, white	
tinged with lilac; stems 9 inches high	25
Veris Polyantha. A hardy sort, blooming early in the open	
gardens. Colors mostly red and yellow. Mixed colors	10
Vulgaris. The true yellow English Primrose	10
Primrose, Evening. See Enothera.	
Time oce, Evening. See Cinothera.	

PYRETHRUM parthenifolium aureum. (Golden Feather). P	kt.
hP. Small cut leaves of bright golden yellow. Much used	
for edging and borders	10
Roseum hybridum. hP. Red-petaled flowers radiating	
from a golden yellow center. Buhach, or insect powder, is	
made from the dry leaves	10
RANUNCULUS. Very handsome double flowers, 10 inches	
high, about 2 inches across. Blooms the first year from seed.	
N. a	- 4

RED-HOT POKER PLANT. See Tritoma.
RHODANTHE (Everlasting Flower). For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years, Rose and White, Mixed

RICINUS. See Castor-Oil Bean.

RON	MNEYA Coulteri (California Tree Poppy). Also well
	known as the Matilija Poppy. This fine perennial is of
	a supreme and stately beauty. The flowers are large, 4
	to 5 inches across, pure white, crinkled like crepe paper,
	with a fine bunch of yellow stamens, resembling white
	single peonies. The seed takes from three to nine months
	to germinate

RUDBECKIA bicolor superba. (Coneflower). The center of
this flower is brown, the petals golden yellow, with velvety
brown spots at the base. A free-flowering annual 3 feet
high; very effective as a cut-flower

SALVIA · Flowering Sage

A very free-flowering late summer plant with flowers of inter	nse
scarlet. Start seed indoors early. tP.	ct.
Splendens. Bright scarlet flowers	
Bonfire. A new dwarf Scarlet Sage of dense, compact growth.	
Height 20 to 24 inches	15
Dark Blood-red. A new tall variety with large flower-spikes.	
Much darker and richer in color than other scarlets	10
Patens. Bright blue flowers. Height, 2 feet	25

SALPIGLOSSIS

A half-hardy annual, growing about 3 feet high, and beari	ng
trumpet-shaped blossoms of richest shades and colors.	ĸŧ.
Mixed	10
Superbissima, Emperor. A splendid giant-flowering stralit,	
each stem loaded with these most handsome flowers, and each one richly veined with gold	10

SCABIOSA · Mourning Bride

Also called Sweet Scabious, Old-Maid's Pincushion, Etc.

Self-sown in California. Our mammoth-flowered strain of this old-fashioned flower is very beautiful and worthy of a place in every garden. The tall flowers are especially adapted for cutting and massing. These new flowers are double clear to the center, covering the thimble-shaped cone. Height 2½ to 4 feet.

Mammoth-flowered Double, Mixed. (S. maxima). An Ph	ĸt.
improved strain with large petals and beautiful colors\$0 1	10
Caucasica. A hardy perennial variety, with pale blue flowers	
4 to 5 inches across, and long stems. One of the handsomest	
	10
Japonica. hP. Artistic lavender-blue, single flowers. Height	
2½ feet	10

SCARLET FLAX. See Linum.

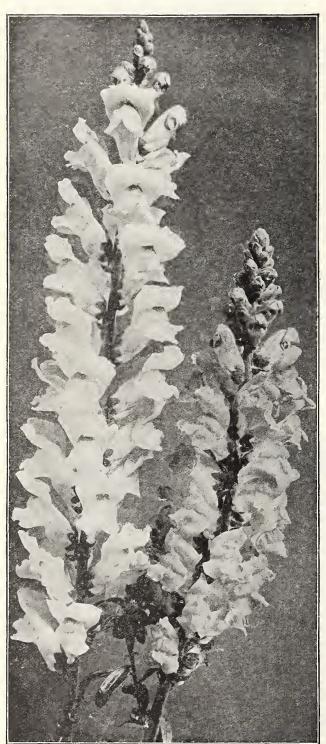
SCHIZANTHUS. Hardy annuals, growing 11/2 to 2 feet high,	Pkt
and covered with bright, showy, butterfly-like blossoms.	
Large-flowering, Mixed	0 10
Wisetonensis. Remarkably free-flowering and presents a	
beautiful appearance with its nlyriads of blooms, the ground	
color of which is white, dotted with delicate rose. A very	
shy seeder. Make several plantings, as the plants come	
into bloom quickly and are a mass of color	15



Mammoth-flowered Double Scabiosa

10

10



Large-flowered Snapdragons

STATICE, Russian. Long, rat-tail spikes of small pink flowers. Very effective and are everlasting	≥kt. 20
Sinuata (Sea Lavender). A. Everlasting flower much used by florists for winter bouquets. Each floweret is	
small, but in a bouquet becomes a mass of blue, yellow or white. Height, 2 to 3 feet. Yellow, Blue, and White, Each.	10

SNAPDRAGON

Snapdragons are biennial and may be sown in the fall or in the spring, outdoors where they are to remain, or they may be sown in boxes and transplanted. They are fine cut-flowers, easily raised. You cannot afford to leave them out of your garden. They flower very freely for a long time.

TALL, LARGE-FLOWERING TYPE

24 to 30 inches high	Pkt.
Blood-red. Dark crimson-maroon, with dark foliage	
Crescia. Scarlet	10
Katharine Morse. Color golden rose, calyx and stem dull gray-	
green, a good florist variety	10
Lilac Queen. Beautiful soft lilac	10
Old Rose	10
Princess Patricia. Beautiful flesh-pink	10
Queen Victoria. Pure white	10
Vermilion Brilliant. Fine orange-scarlet	10
Yellow. Large; golden yellow	10
Giant Striped, Mixed. Finest Scotch strain, unsurpassed for size,	
beauty, and variety of coloring	10
Giant-flowered, Mixed	10
Six pkts. for 50 cts.	

INTERMEDIATE TYPE

SOLANUM Capsicastrum (Jerusalem Cherry). For house or garden culture. The flowers are followed by small, brightly colored fruit or berries, which almost completely cover the plant.

Seaforthianum. tP. Blue climber.

SPIDER PLANT. See Cleome pungens.

STEVIA serrata. A tender perennial, 1½ feet high, and bearing clusters of small, white, fragrant blossoms. Suitable for summer or winter blooming and for pot-culture or open air.

10

10

10

10

STOKESIA cyanea (Cornflower Aster). A hardy perennial, 2 feet high, and bearing large blue flowers on long stems. Blooms freely all summer and fall, and is of easy culture, but is hard to start from seed......

STRAWFLOWERS. To dry with straight stems, suspend from a string, heads downward. See Acroclinium, Gomphrena, Helichrysum, Honesty, Statice, Rhodanthe, Xeranthemum.

SUMMER CYPRESS. See Kochia.

SUNFLOWER · Helianthus

Hardy annuals, growing from 3 to 6 feet high. Of the easiest culture and suitable for a stately row or background. Plant when the ground is well warmed, in light or sandy soil.

Cucumerifolius, Perkeo (Miniature Sunflower). The Cucumerifolius Sunflowers are small, both in flower and plant, and are often called "Cut-and-Come-Again" Sunflowers. Perkeo is only 2 feet tall, but is covered with small (3-inch) golden yellow flowers with a dark eye.

flowers with a dark eye.

Cucumerifolius, Stella. Is considerably taller than Perkeo and has larger single flowers (6 inches across), yellow with black center.

Red Sunflower. Some are solid red, of a deep maroon shade; others are red with petals gold-tipped, and a variety of other pleasing combinations of red and gold.

STOCKS

MORSE'S TEN-WEEKS' STOCKS, or GILLIFLOWER

No matter if situation is cold and windy, Stocks will bloom there and give the garden color when otherwise it might be bare. They come in all shades—delicate pink, white, red, cream, and purple. Stocks are annual and hardy; they may be sown outdoors in spring or in boxes in winter and transplanted. Sow early, 1/8-inch deep. While all will flower the first year, the Dresden, Brompton, and Winter Stocks will last for two years.

Stocks have been greatly improved by selection, and our strains, which are raised by expert growers, give fully 60 per cent of double flowers. There always will be some single plants, as those are the only ones which bear seed, and the plants should be set out in the garden sufficiently close for these single ones to be pulled up when they show their first flower, and still leave plenty of fine double plants. Stocks are of easy culture, are a long time in bloom, are hardy, very beautiful and satisfactory.

MORSE'S DWARF LARGE-FLOWERING TEN-WEEKS. Our strain of these has great rosettes set closely together so that the entire plant is hidden in the mass of bloom. Plants 12 to 15 inches tall; early; the best for bedding effects or edges. Ours is a selected strain.

Blood-red	Pink	15
Light Blue		
White 15	Mixed	10
Canary-yellow		
GIANT PERFECTION. An early or Te	n-Weeks' Stock, with tall spikes of	E
large, very double flowers. This Stoo		
and is 2 feet tall.	••	
Mixed		20

PERPETUAL STOCKS (Cut-and-Come-Again) Early, Large-flowering Type

Brilliant. Deep rose-crimson— Pkt. Light Blue Pure White. A pure white, double Stock; largely used by florists.. Dresden Mixed. All colors Dark Blue.... 1/80z. 50 cts... 15

G

NICE STOCKS

FOR SUMMER AND WINTER

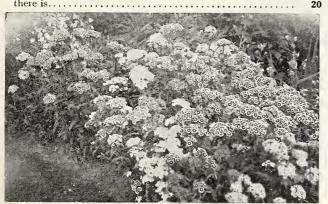
Tall Stocks, nicely branching, with large double flowers, not tightly clustered but borne along the entire stem. Sow in July and August and they will flower all winter. There are many new varieties in this class. May be treated

2 feet. hB. Pkt. Beauty of Nice. A beautiful flesh-pink Crimson King. Splendid crimson color Mont Blanc. Improved pure white Monte Carlo. A good yellow. Purple. Purple or violet color.... Queen Alexandra. Light lilac, shading deeper at bottom of petals and lighter on the new flowers......

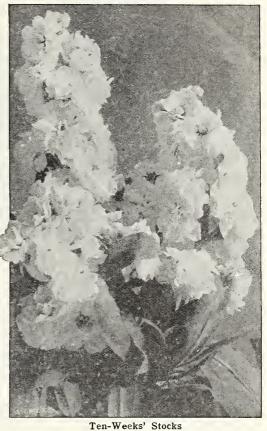
as summer Stocks, for they bloom quite early from seed. Height,

WINTER STOCKS

Handsome late-flowering sorts. White Lady. Our new pure white winter Stock. Grows about 20 inches high, has large branches bearing lustrous, snowy white, double flowers most freely. The grandest white Stock



Sweet William



SWEET ROCKET (Hesperis). A hardy perenni al, gro wing 2 Pkt. to 3 feet high. This old-fashioned, fragrant flower is of the easiest culture, and bears clusters of white and purple blossoms. Mixed

SWEET SULTAN. See Centaurea moschata.

15

15

15

SWEET WILLIAM · Dianthus barbatus

A beautiful sweet-scented, old-fashioned perennial. Grows I to 2 feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowerets are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture. hP. Crimson Bedder. Beautiful crimson variety especially suit- Pkt. able for massing in beds or borders. \$0 10
Pink Beauty. A truly wonderful pink 10 Scarlet Beauty. Intense scarlet. These new sorts should be planted by everyone 10 Single Varieties, Mixed. More attractive than the double ... 10 1/20z. 40 cts... Double Varieties, Mixed 10 THUNBERGIA (Black-eyed Susan). A hardy annual climber, Pkt. growing about 4 feet long. Blossoms are buff, orange, or white, with dark centers. Mixed\$0 10 TITHONIA speciosa. tA. A new orange-colored flower resembling a single zinnia in form. Starts blooming at 2 feet 10 and grows to 6 feet high. Flowers cut well..... TRANSVAAL DAISY (Gerbera Jamesonii). tP. Intense ver-

milion. Flowers, 4 inches across, on tall stems $1\frac{1}{2}$ feet high. Sow seed upright, stem end up, in box of peat and loam. Two plants from a package is a fair average. Do not 25 TRITOMA, New Hybrids (Red-Hot Poker Plant)..... 15 VALERIAN. hP. Flower like centranthus; does well in half shade. Height, 21/2 feet.

10

Mixed.....



7INNIA

42113131A
DOUBLE GIANTS, MORSE'S (Z. grandiflora robusta plenissima). New, large giants. Flowers large in size and depth. An excellent, much improved strain. We can also supply this grand Zinnia now in the following separate colors:
Crimson, Pink, White, Purple, Scarlet, Yellow, Burnt- Orange, Buttercup, Salmon, and Mixed, Each, 1/202. 75 cts \$0 19 Pumila, Dwarf Double. The best bedding variety. All 10 cts. per packet, 6 varieties 50 cts. Purple, Scarlet,
White, Crimson, Pink, Yellow, and Mixed. Dahlia-flowered. The finest in Zinnias. Mixed only. Pompon, Mixed. Small globe-shaped flowers. Curled or Crested. Beautiful type. Finest mixed only. 15
VINCA (Madagascar Periwinkle). tP. Useful for bedding in summer and for the greenhouse in winter. Blooms freely the first year from seed. Flowers Rose, Crimson, and White. (The trailing blue Vinca or Myrtle propagates from plants only.)
Mixed
VIOLET, Single Blue (Viola odorata). Although these flowers do best propagated from cuttings, they grow readily

from seed, and have a very fragrant blossom.....

VIRGINIAN STOCKS, Red and White, Mixed.....

VERBENAS Morse's Giant Strain

A half-hardy trailing perennial of easy culture. While it grows readily from division of the root or from cutting, it does best from seed. Use extra care in starting, as seed is rather difficult to start well. Seed may be soaked in warm water to hasten germination.

Any six 10-cent varieties for 50 cts. Mammoth Auricula-flowered. Fine large flowers in big Pkt.

heads. Each floweret has clearly defined eye	10
Pink Shades. Mammoth strains of rose shades	10
Pure White. Mammoth strain	10
Purple and Blue Shades. Mammoth strains	10
Scarlet Defiance. Large; brilliant scarlet	10
Striped Varieties. Mixed	10
Hybrida gigantea. New giant Auricula-flowered Verbena in	
new and beautiful shades	15
Mammoth-flowered, Mixed	10
VIOLAS (Tufted Pansies). hhP. These have smaller flowers I than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is	Pkt.
VIOLAS (Tufted Pansies). hhP. These have smaller flowers I than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is wanted. Height, 6 inches.	
VIOLAS (Tufted Pansies). hhP. These have smaller flowers I than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is	
VIOLAS (Tufted Pansies). hhP. These have smaller flowers I than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is wanted. Height, 6 inches. Purple (Cornuta)\$0 10 White\$0	10

· WALLFLOWER

Half-hardy perennial, blooming the first year from seed. Height, Golden Monarch. Large single, pure yellow flowers. Gives Pkt. panion to Golden Monarch in bedding effects..... 10 Fine Single, Mixed Double Mixed..... 15 WISTARIA, Chinese-flowering, Tall Blue. Climber...... XERANTHEMUM (Everlasting Flower). A. Flowers white, purple, or yellow. Height, 2 feet.

Double Mixed. 10

California Wild-Flower Collection

The descriptions of these beautiful wild flowers will be found in the list of Flower Seeds under their alphabetical order.

One packet of each is included in this collection. Baby Blue-Eyes. See Nemophila insignis. Blazing Star. See Bartonia aurea.
Blue Gilia. See Gilia achilleæfolia.
California Poppy. See Eschscholtzia californica.
Clarkia. See Clarkia elegans.
Evening Primrose. See Enothera.
Farewell to Spring. See Godetia amæna.

Lupin. See Lupin.

Matilija Poppy. See Romneya Coulteri. Sand Verbena. See Abronia umbellata. Sea Dahlia. See Leptosyne maritima.

ALL POSTPAID FOR \$1

TREE SEEDS

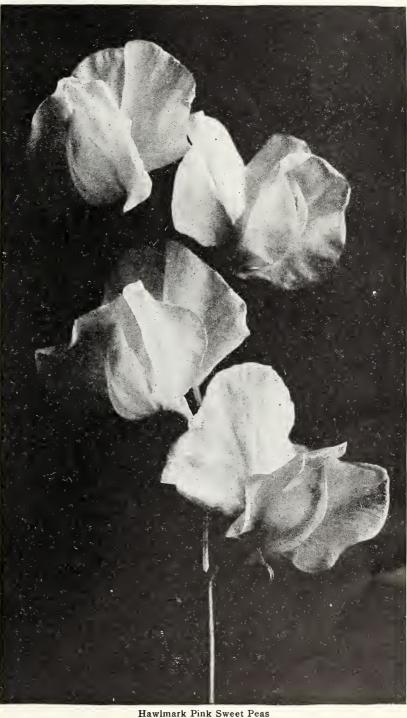
	Pkt.	Oz.
ABIES Douglasii (Douglas Spruce)	.\$0 15	\$0 50
CALIFORNIA FAN PALM (Washingtonia filifera)	. 15	20
CUPRESSUS arizonica (Blue Cypress)	. 15	50
Goveniana (Goven's Cypress)	. 15	80
Lawsoniana (Lawson's Cypress)	. 15	50
macrocarpa (Monterey Cypress)	. 15	35
GREVILLEA robusta (Silk Oak of East Australia)	. 15	50
LIBOCEDRUS decurrens (Thuya Craigana)	. 15	50
PICEA grandis (Western Balsam Fir)	. 15	40
magnifica	. 15	50
DATE PALM (Phænix canariensis) 100 seeds for 50c	. 15	
PEPPER TREE (Schinus molle)	. 15	25
PINUS insignis (Monterey Pine)	. 15	40
Jeffreyi	. 15	50
Lambertiana (Sugar Pine)	. 15	50
ponderosa (Yellow Pine)	. 15	50
Sabiniana (Nut Pine)	. 15	40
SEQUOIA gigantea (Wellingtonia gigantea)	. 15	1 00
semnervirens	15	50

	Pk	t.	0	z.
ACACIA Baileyana	\$0	15	\$0	50
decurrens (Black Wattle of Australia)		15		50
lophantha		15		40
melanoxylon		15		40
11''		15		50
mollissima		19		อบ
EUCALYPTUS amygdalina (Giant Gum)		15		90
citriodora		35	1	75
corynocalyx (Sugar Gum)		15	1	00
ficifolia (Scarlet Gum) 25 seeds for 25 cts				
globulus (Blue Gum)		20		75
leucoxylon (Pink Ironbark)		15	1	25
polyanthemos		15.	1	25
populifolia		15	î	50
punctata		15	-	75
resinifera (Forest Mahogany)		15		90
robusta (Swamp Mahogany)		15		50
rostrata (Red Gum)		15		50
Stuartiana (Apple-scented Gum)		15	1	
		15		50
tereticornis (Gray Gum)		15		60
viminalis		13		vv

Morse's Late-Flowering Spencer or Standard Sweet Peas

Sweet Peas are one of our specialties, and we grow them in large acreages—frequently several hundred acres—annually. We have originated and introduced over fifty varieties. Our trade in Sweet Peas extends all over the world.

White		
Constance Hinton. Large; Market; black seeded	Pkt. 10 10 10	Oz. \$0 40 40 40
selected.) Superior strain; pure white	10	40
Cream-Pink Shade	S	
MRS. ARNOLD HITCHCOCK. Beautiful light cream-pink PICTURE. Giant; cream-pink Margaret Atlee. Deep cream-	25 25	
Margaret Atlee. Deep creampink. Mrs. C. W. Breadmore. Prim-	10	40
rose, with pink edges	10	40
New Miriam Beaver. Soft shell- pink and salmon	10	40
Pink Shades		
Hawlmark Pink. Pelargonium- pink	15 25 25 25	60
Countess Spencer. Clear pink. Dainty Spencer. White, with	10	40
Painty Spencer. White, with rose-pink edges. Light pink,	10	40
Elfrida Pearson. Light pink, with paler shadings	10	40
Hercules. Clear pink; very large.	10	40
Primrose Shades		
MAJESTIC CREAM. Giant;	25	
deep cream	10	40
Dobbie's Cream. Large; deep cream	10	40
cream	10	40
Rose and Light Pink B	ical	or
DORA. Large; rose and cream	1001	•
bicolor. Mrs. Cuthbertson. Giant; rose	25	
and light pink	10	40
Lavender Shades		
Asta Ohn. Pinkish lavender Blue Picotee. White, edged blue.	10 10	40 40
Dobbie's Lavender George		
Herbert. Fine; large Masterpiece. Lavender tinted	10	40
Mauve New Margaret Madison.	10	40
Azure-blue Wedgwood. Silvery blue	10	40
	10	40
Red Shades Royal Scot. Brilliant scarlet	15	60
RENOWN. Carmine-rose	25	00
King Edward Spencer. Large blood-red	10	40
George Herbert. Rose-crimson.	10	40
Rosabelle. Bright rose-crimson. Vermilion Brilliant. Scarlet	10 10	40 40



MORSE'S LATE-FLOWERING SPENCER OR STANDARD SWEET PEAS, continued

Orange and Salmon-Pink Shades		Maroon, Purple, and Blue Shad	es	
Pkt.	Oz.		Pkt.	Oz.
George Shawyer. Giant; salmon-rose\$0 25		Splendor. Giant; mahogany-maroon\$	25	
Aurora Spencer. Orange-pink, striped 10	\$0 40	Mrs. Tom Jones. Large; clear blue	15	\$0 60
Barbara. Bright salmon-orange	40	Jack Cornwall, V. C. Large; navy blue		•
Helen Lewis. Orange-pink	40	Helen Pierce Spencer. Marbled blue on white	10	40
Illuminator. Brilliant orange-scarlet 10	40	Senator Spencer. Chocolate and brown flaked	10	40
President. Bright orange-scarlet	40	Nubian. Very deep maroon	10	40
Robert Sydenham. Beautiful orange 10	40	Royal Purple. Rich royal purple	10	40
Thomas Stevenson. Giant flame color 10	40	Warrior. Rich maroon	10	40

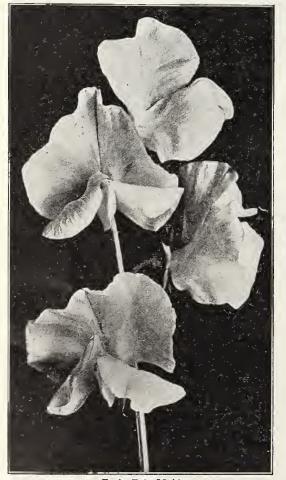
Morse's Brilliant Blend. Pkt. 15 cts.; oz. 60 cts. For description see Novelties, page 34. Also illustration on back cover.

MORSE'S SUPERB SPENCER MIXTURE. Pkt. 10 cts.; oz. 30 cts.; 1/4lb. 90 cts.; lb. \$3

COLLECTIONS OF SPENCER SWEET PEAS

To enable our customers to have an assortment in well-balanced colors, we offer four collections made up of good varieties, or where a mixture is desired, our Superb Mixture of Spencer Sweet Peas is unsurpassed.

Morse's Extraordinary Spencer Collection containing 35 varieties	2 50	postpaid
Morse's Grand Prize Collection containing 15 varieties.	. 00	postpaid
Morse's Medal of Honor Collection containing 10 varieties	75	postpaid
Morse's Home Garden Collection containing 7 varieties	50	postpaid



Early Fair Maid

MORSE'S EARLY-FLOWERING, LONG-SEASON SPENCER SWEET PEAS

The Sweet Pea is the favorite flower for all gardens. These Early-flowering Spencers, if planted in August and September, will bloom by Christmas. October and November plantings will bloom in February and March. Several of these varieties are entirely new creations. This early type of Sweet Pea can be brought into bloom and continue in blossom from January till May.

New Varieties	Pkt.	Oz.
Early Aviator. Large; crimson	\$0 25	
Early Columbia. Large; pink and white	25	
Early Fair Maid. Large; blush-pink	25	
Early Flora. Large; azure-blue		
Early Glitters. Large; bright orange-scarlet		
Early Rose Queen. Large; rose-pink		
Early Zvolaneck's Rose. Large; deep rose-pink	25	
Early Harmony. Giant; lavender; perfect flowers and long		61 00
stems	15	\$1 00
Early Hercules. Bright rose-pink on white ground; giant flower.		1 00
Early Heatherbell. Rich mauve; exceptionally good flower Early Liberty. Deep sunproof crimson; very large flower		1 00
Early Meadow Lark. Deep, rich cream; many flowers duplex.		1 00
Early Melody. Beautiful bright pink; fine florist's flower		1 00
Early Merry May. A soft, pleasing combination of apricot	13	1 00
and pink		1 00
Early Morning Star. Deep orange-scarlet or flame-color		1 00
Early Nightingale. This is a good florist's variety; large;	10	1 00
lavender		1 00
Early Pink and White. Beautiful bicolor variety		1 00
Early Peace. Cream-pink; very large flower		1 00
Early Snowflake. Pure white; long stems; beautiful form		1 00
Early Torch. Bright orange; one of the best of this color		1 00
Early Warbler. Rich mauve-purple; well formed, large flowers.		1 00
Yarrawa. Beautiful rose shade, with light pink standard		1 00
Morse's Early-flowering, Long-Season Spencer Mixture		75

Morse's Early-flowering Spencer Collection

Early Harmony. Lavender. Early Hercules. Pink. Early Torch. Orange. Yarrawa. Rose. Early Snowflake. White.

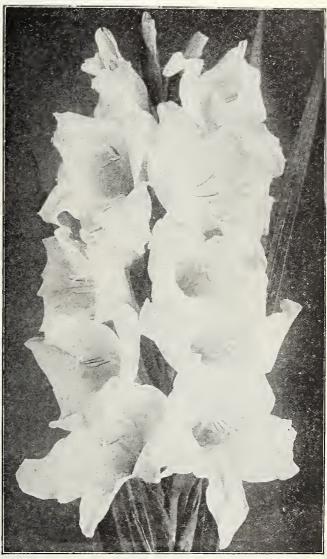
50 cts., postpaid

ATE-FLOWERING GLADIOLI

Every flower-garden, however small, should contain some Gladioli. They are fitted for practically all purposes. Planted among beds of perennials or annuals, or massed, they make very attractive showings. As cut-flowers, they last remarkably well if cut at the right age, as all the developed buds will open in water after cutting. Our list of Late-flowering Gladioli contains one of the best collections we have ever offered. While some of the varieties are older, better-known sorts, others are the latest creations. Together, our customers will find the list well balanced in color and shades. Being grown under our own supervision, we know that all these varieties will give entire satisfaction. No flower is more beautiful and none does better in our California climate than the Gladiolus.

CULTURE.—Set bulbs 3 to 4 inches deep and 7 to 8 inches apart.

COLIORE. Set builds 3 to 4 menes deep at				
				stage at the rate of $1\frac{1}{4}$ pounds per dozen
America. Very popular. Flowers soft lav-		Doz.		
ender-pink. Well-known florists' variety .\$	0 07	\$0 75	\$5 00	Control of the Contro
Baltimore. Color beautiful coral-pink, dark	15	1 50	10 00	
Byron L. Smith. (New.) Very beautiful;	13	1 30	, 10 00	
true orchid color; magnificent	35	3 50	,	
Chicago White. A good white Gladiolus.	30	3 00		
Flowers of great substance and an unusually				
good keeper. We recommend this highly	08	85	6 00	
Gretchen Zang. Beautiful soft shell-pink				
blending into scarlet on lower petals. Very				
showy in borders	18	1 75	5	
Golden King. Rich golden yellow with crim-				
son blotch. Good for florists' variety	. 15	1 50	10 00	
Marshal Foch. Beautiful soft rose-color;				
extra-large flower. A splendid novelty	20	2 00)	
Baron Joseph Hulot (Blue King). The best				
blue Gladiolus. Rich indigo-blue, superior				
to Blue Jay. Do not fail to plant this	10	1 00	7 50	
Halley. Delicate salmon; blooms early. This				6.200
is a beautiful variety	07	75	5 00	
Herada. Pure mauve—a color that is not				
often found in the Gladiolus. A most strik-				
ing, stately flower	18	1 75)	
Ida Van. Flaming orange-pink or deep sal-		1 =	40.00	
mon. Beautiful variety	15	1 50	10 00	
Liebesfeuer (Love's Fire). Bright coral shade.				
This is one of the best and in appearance is				
well worth the name given it	20	2 00)	
Mrs. Francis King. Well-known variety.			= 00	
Flame-color. One of the best for florists	07	75	5 00	The same of the sa
Mrs. Frank Pendleton. Rose-pink, shad-				
ing deeper to center of petals	10	1 00		
Myrtle. Light pink shaded, color of arbutus.	20	2 00		
Mrs. Watt. Deep wine-color. One of the				
most beautiful varieties we know	12	1 25	9 00	
Niagara. Extra-fine light yellow. Flowers	••			
very large on strong stems	10	1 00	7 50	
Panama. A good companion to America for				
the florists' trade. Color deep pink; well-	40			
expanded flowers	10	1 00	7 00	
Peace. This is a beautiful variety with fine,				
large, white flowers, with pale cattleya-like	10	1 00	= 00	
feathering on petals	10	1 00	7 00	
Prince of Wales. Warm light salmon. An				
early variety and one of the most beautiful	10	1 75		
of these shades we know	18	1 /5		
	10	1 00	= 00	
blotches on lower petals	10	1 00	7 00	
Schwaben. Primrose-yellow, with dark blotch of brownish red in throat	10	1 00	7 50	
	10	1 00		
Yellow Hammer. Clear sulphur-yellow	10	1 00	7 50	
Morse's Special Mixed Gladioli. This				The second of th
mixture is made up of fine selected stock				
from named varieties, and we can highly recommend same to our customers who re				
ommend same to our customers who require Gladioli in all colors		1 00	7 50	
Common Mixture. Made up from a good		1 00	7 50	
assortment of cheaper varieties especially				
adapted for massing, etc		75	5 00	Prince of Wales Gla
daspect for indecing, etc.,			3 00	Prince of Wales Gla



Prince of Wales Gladiolus

CALLA LILIES

Morse's Yellow Calla Lilies. Beautiful for bedding or pot culture. Easy to grow and very free blooming. If grown in pots, will make fine house plants.

Large bulbs ... Each Doz. Large bulbs ... 30 3 Medium bulbs ... 30 M \$3 50 3 00 Doz. Medium bulbs.....

TUBEROSES

Double Dwarf Pearl. Pure white, wax-like, and extremely fragrant. Thrives well in warm, sheltered locations. Should be in every garden. Ready February and March. 90 cts. per doz.; \$6 per 100. If wanted by mail, add postage at the rate of 1½ pounds per dozen, 7 pounds per 100.

OUR BULB CATALOGUE which we sent out in September, contained all the various bulbs, and, of course, many varieties can still be planted. If you do not have the list, we will send you one on receipt of postcard.

MORSE'S DAHLIAS

Dahlias will do well in almost any kind of soil, but prefer a light loam or sand to produce the best flowers. In heavy soil it is advisable to lighten it with ashes and a little lime. Morse's Dahlia Fertilizer is a splendid food for this plant and if applied just before the buds start to lighten it with ashes and a little lime. Morse's Dahlia Fertilizer is a splendid food for this plant and it applied just before the bluds start to form, will increase the size greatly and improve the color of the blooms. Dividing of clumps should be done, if possible, after the small shoots have made their appearance. This enables the cutting to be done more satisfactorily and with the least possible waste. Planting should be done in May or even later, as Dahlias'should be treated as a fall flower. They will beautify the garden when other summer flowers are gone. Set bulbs about 4 feet apart each way and place them in a slanting position with sprout or eye about 5 inches below the surface. It will be necessary to disbud, if extra-large blooms are required, for exhibition purposes. Care of bulbs during the dormant season is very easy. Lift them as soon as stalks die down, dry for a couple of days, and store in a dry, cool, dark place, free from frost, bringing them into the light about one month before planting season, and sprinkle a little soil in the crevices of the clumps to start sprouts before dividing.

HALVELLA

A perfect type of Decorative Dahlia. Color is mulberry-rosea very striking exquisite shade. Enormous flowers, borne on long, strong stems. No doubt the finest Dahlia offered to the public today. Very limited stock. \$5 each.

Something New in Dahlias AURORA BOREALIS (Decorative Collarette)

A perfect, large, Decorative Dahlia. Each row of purple petals lined with a small white collar. Nothing like it ever offered before a really wonderful novelty. Limited stock. \$2.50 each.

CACTUS DAHLIAS

		LUII
Ballet Girl. Red and white; very attractive	. \$2	50
California Enchantress. Lovely shade of flesh-pink	. 2	00
Dr. Roy Appleton. Yellow, shading to pink tips		75
F. W. Fellows. Beautiful orange shade		75
G. A. B. S. Deep apricot center, shading to yellow		50

CACTUS DAHLIAS, continued Golden West. Beautiful shade of old-gold. A good cut-flower. \$0 35

Helen Durnbaugh. White, suffused with clear rose-pink;	
	1 00
Kalif. A rich shade of clear scarlet. Immense blooms; good	
stems	50
La Favorita. A pleasing shade of orange-salmon. Much in	
	1 50
Mrs. Richard Lohrman. A wonderful pure rich yellow. Fine	
garden flower	1 50
Mrs. W. E. Estes. Immense; beautiful pure white; petals long	
and twisted	1 00
Mrs. Edna Spencer. Wonderful orchid-lavender. A prize-	
winner	1 00
Matador. Dull old-rose. Each petal slightly cleft at tips	1 00
Pierrot. Flowers amber, each petal regularly tipped white	50
Ruth C. Gleadell. Beautiful yellow, shading to apricot on	
outer petals	75
San Francisco. Reddish bronze. Very large good blooms	75
Sovereignty. Pleasing shade of canary-yellow. A good cut-	
flower	75
Tom Lundy. Large; bright velvety red	75
Valient II. Brilliant crimson; large flower; incurved petals	75
Yellow King. Chrome-yellow; petals are long and twisted	50

PAEONY-FLOWERED

Large flower; royal purple shading to white			50
arbara Bell (Gleadell). Rose-pink; very large, wonderful Dahlia	1	. 5	รก
lack Beauty. Well named; large bloom of		٠	,,
dark maroon; good stems	1	(00
ity of Portland. Large flower of clear, deep)		
yellow. Stems very long and stiff		: :	νŪ
ream King. Deep cream. Good for garden	L		50
and exhibition purposes		٠	yυ
Elsa. Fluffy cream-white flowers; very large		7	75
Geisha. Yellow, heavily suffused		•	
with scarlet		7	75
Gorgeous. Yellow and crimson. A		Ī	
prize-winner		5	50
Haida. Enormous blooms; exquisite			
soft creamy pink. Unequaled		(00
Lloyd George (Gleadell). Light apri-			
cot, shaded to bronze		. 5	50
Maybelle Eckland. Maroon and	i		
wine shadings; large blooms		7	75
Mildred C. Taaffe. Golden bronze:	;		
very fine for decoration	1	. 5	50
Meyerbeer. Beautiful crimson-pur-			
ple; indispensable for garden effect		7	75
Mrs. John Bray. Fancy Dahlia.			
White ground striped with maroon		. ()0
Mrs. Jessie Seal. Magnificent old-			
rose with gold shadings	J	. (J O

Mrs. Warnaar. White, suffused with 75 delicate shade of pink Natalie Mai. Rich burgundy and velvety maroon, suffused with gold..... 1 00 Pitti Sing. Fancy Dahlia. A combination of red and gold..... Rising Beauty. An improved Geisha. Yellow suffused with scarlet 1 50

gold shadings...... 1 00

50

75 50 75

DECORATIVE DAHLIAS		
Alcatraz. Dark red, each petal edged apricot—unusual combi-	E	ach 50
nation of colors	_	
mense Decorative is of an entirely new formation. The petals are of gorgeous shades of copper and orange, shading to gold		
and amber, deepening in the center to a rich, dark, reddish brown. The Gold Medal winner in 1921 at the Palace Hotel		
Dahlia Show	7	50
Bessie Boston. Glowing crimson; very large		50 50
Betty Ward. New introduction. A large flower of fine form. Outer petals are shrimp-pink, shading to apricot at center	2	00
Byron. Crimson-maroon. Very fine cut-flower	1	75 50
Carolyn Wintjen. Beautiful salmon-pink with rose shading		50
Copper. Immense; orange-vellow. Very fine variety		75 50
Copper. Immense; orange-yellow. Very fine variety Chieftain. White, striped crimson, usually more red Delice. Lovely pink. Best cut-flower variety		50 35
Dr. Tevis. Pleasing combination of salmon and old rose	1	00
Don Caspar. Yellow shading to crimson tips. Very full flower Earle Williams. Scarlet, tipped white. Very attractive	5	75 00
Futurity. Old-rose; perfect form		75
ing qualities		00
Henrietta Ratto. Very large flowers of soft purplish crimson. Harry Davidson. Mulberry-pink tipped gold		50 75
Insulinda. Rich golden orange; very attractive	2	50
John McLaren. The best Dahlia for bedding purposes. Low-growing; flowers freely. Requires no stakes or tying.	3	50
Watermelon-red suffused with yellow. Stock limited Jane Selby. Delicate rose-pink. True type	_	00
Kanaka. Large flower of crimson-purple, borne on long, stout stems; tall-growing	1	00
Kitty Dunlap. One of the largest recent introductions. Color	4	00
deep mauve; stems long and strong Le Grande Manitou. White; striped and splashed maroon		50
Lou Colmore. Blend of orange-yellow and tan; large flowers Marshal Foch. Red, with red and gold shadings	2	00
Maryan. Apricot, orange, and buff shades	1	00
Melrose. This Dahlia is, no doubt, one of the very best for garden and cutting purposes. Color lavender-pink		
Mrs. Paul J. Auditte. Color lavender-pink. Good stems and habit. Stock limited	1	50
Good stems and habit. Stock limited	2	50
dull red	2	50 00
dull red		
Mrs. E. C. Boston. One of the best white Decoratives	2	00
Mrs. R. R. Strange. Burnished copper and bronze. A new	1	00
shade	i	00
Pride of California. Crimson. A good cut-flower. One we highly recommend		75
highly recommend	2	
roxie. Very deep vervety red. The king of red Dannas	1	50
Royal Gold. Beautiful shade of gold and amber; very free flowering. An excellent cut-flower	1	00
Shower of Gold. Brilliant yellow, deepening to soft apricot toward center,	1	50
Scottish Chief. Golden cocoa in color, sometimes tipped white Seabright. Orange-buff; splendid cut-flower variety		75 30
The Millionaire. Delicate lavender with faint pink shading	1	00
Theodore Vail. Large flowers of old-gold, shading to apricot The Grizzly. Dark, velvety maroon flowers of very large size	1 2	
W. D'Arcy Ryan. Rosy purple, marked white	1	00
CHOW DAILIAS		
SHOW DAHLIAS Clara Seaton H. S. Apricot-bronze		75
Esmond. Clear yellow		50
General Miles H. S. Lavender splashed red	1	50
Gold Medal. Canary-yellow, flaked red		75 50
John Walker. Pure white. Mrs. Bottomley. Rosy lilac.		50 50
Mrs. Gladstone. White, suffused pink		50
Magenta King H. S. Pure magenta. William K. Yellow, edged bronze.		50 50
Yuban H. S. Yellow, striped and speckled red		75

The above 12 Show Dahlias for \$5

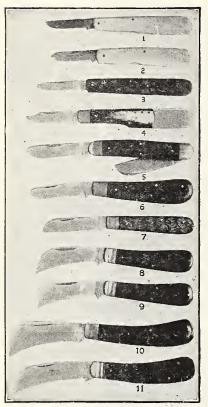
POMPON DAHLIAS	Each
Amber Queen. Rich amber shade\$0	35
Cheerfulness. Yellow with red edge	35
Coral. New. Coral-red	75
Dagmar. Very dark red	50
Dark Eye. Pure white, lavender center	35
Eunice. White, edged lilac	35
Glow. Old-rose	50
Hecla. Pure white	50
Ideal. Canary-yellow	50
Johnny. Crimson-maroon	50
Jessica. Yellow, tipped red	35
Lassie. Yellow, changing to rose at tips	35
Little Dorrit. Purple	50
Little Beeswing. Golden yellow, tipped cherry-red	50
Mars. Bright scarlet; free bloomer	35
Nerissa. Soft silvery pink	50
Nelly Fraser. Beautiful pink	50 50
Phyllis. Yellow, edged red	50 50
Sunset. Delightful orange	50 50
rommy Keith. Red, upped white	ου
ENGLISH SINGLES AND COLLARETTES	
	1
Improved Union Jack. Color same as Union Jack—white, each petal edged red. This improved type is tall-growing,	
each petal edged red. This improved type is tall-growing,	
often 5 feet high; stems are long	50
Union Jack. (Single.) White, edged red	50
Stromboli. (Single.) Maroon, tipped white	50
Columbine. (Single.) Old-rose, shading to golden bronze and	50
maroon in center. Grows 5 to 6 feet high	
Betty. (Single.) Pink, beautiful clear shadings	50 50
Sambo. (Single.) Very dark red	50
	75
Color Spanish-red with yellow collar and tips	75 50
Sunbury. (Scotch.) Maroon shade with white collar	75
Geant de Lyon. Kich vervety fed with yehow collar	/ 0

DAHLIA COLLECTIONS Home-Garden Collection. 12 good varieties, assorted Each THESE COLLECTIONS SENT POSTPAID TO FOURTH ZONE



Decorative Dahlia

SUNDRY GARDEN TOOLS



Budding and Pruning Knives

PLANT SETTER, MASTER'S. For transplanting plants. Directions with each f. o. b. San Francisco\$6 00
CORN PLANTERS, HAND. For planting corn, beans, and similar seeds
POTATO PLANTERS, HAND. Save your back and use this planter
CYCLONE SEEDER. A good broadcast seeder, at a low price. Postpaid to Fourth Zone. 2 00
CAHOON SEEDER. This is the best hand broadcast Seeder that we know of
MATTOCKS. Heavy steel; suitable for grubbing out brush and heavy work. With handle. By express only. 2 00
HOES. Short-handle Beet. Solid steel.Postpaid to Fourth Zone.1 50Long-handle Garden.6-inch.By express only.1 00Long-handle Garden.Solid steel; 8-inch.By express only.1 50Solid Steel Grubbing.The very tool for heavy work.By express.1 75Warren, Short-handle.Heart-shaped; a favorite tool.Postpaid to Fourth Zone.85
SPADES AND SHOVELS. By express only. D handle, all steel. 1 75 Long-handle, all steel. 2 00
GARDEN RAKES, Long-handle, 12-tooth, steel By express only. 1 25 16-tooth, steel By express only. 1 40 14-tooth, cast By express only. 1 00
RAKES, Bamboo Lawn. For lawns. 50 Ole Olsen Wood Farm. 1 25
TREE BRUSHES. For cleaning tree parts. Made of steel; 2-row, narrowPostpaid 1 00 6-row, wide

KNIVES

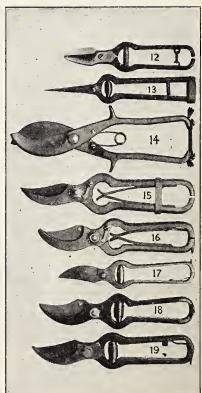
For pruning, grafting, budding, and all garden purposes. All prices are postpaid to Fourth Zone unless otherwise noted.

ı.	Budding Knife, with bone handle. Extra-fine blade	\$1 25
	Budding Knife, ivory handle. Imported best quality	
3.	Budding Knife, black bone handle. English pattern	1 50

handle..... 1 10

6.	Budding Knife, wood handle	00
7.	Grafting Knife, bone handle	L 00
	Small Florist's Knife. Excellent for flower cutting; 2 blades	
8.	Pruning Knife, wood handle. English pattern	50
9.	Pruning Knife, heavy blade. English pattern	1 75
IO.	Pruning Knife. Extra-heavy blade, for rough work	2 00
II.	Pruning Knife, Remington. Extra-heavy; best	2 25
Ası	paragus Knives. The proper tool for cutting asparagus	60

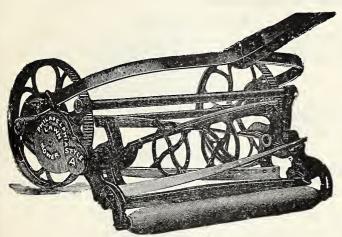
SHEARS		
Grass, English pattern. Double bow, trowel-shaped\$1 75 Single bow, trowel-shaped		75 15
Hedge. Good steel. 6-inch blades 9-inch blades 8-inch blades 2 75 10-inch blades	3 3	25 75
Tree Pruning. Good steel blades. By express only. 6-foot handle. \$2 50 24-inch handle. 26-inch handle. 8-foot handle. 3 25 26-inch handle. 30-inch handle. 12-foot handle. 3 50 Rhodes 20-inch handle. 2 75 Rhodes	3 4	25 00
Hand Pruning. 12. Orange Shear. Good make	1	15
13. Grape Shear		75
 14. Rhodes. Double cut. 15. Pexto. Rieser pattern. 8½-inch; best quality forged steel, polished, with double, flat, brass spring. 		50
15a. Swiss pattern; 8½-inch	2	00 50
16. g-men, spiral spring	_	25 00



Pruning Shears

SUNDRY GARDEN TOOLS AND REQUISITES, continued

Prices are f. o. b. San Francisco, except where noted



Philadelphia Lawn Mower

LAWN MOWERS

The Philadelphia Mower is, undoubtedly, one of the best made. A cheap Mower is a poor investment.

Philadelphia, Style A. Solid steel throughout; ball bearings highly geared; will clip closely and well. 15-inches	\$25	00
Philadelphia, Style K. Has five blades; a high-class Mower.	20	00
14-inch 16-inch 18-inch	22	00
	24	00
Old-Style Philadelphia. Solid blade and wheel. The right		
Mower for rough work. 12-inch	15	00
14-inch	17	00
r6-inch	19	00
Philadelphia, Dewey. 12-inch	10	00
14-inch		

LAWN ROLLERS

Water and sand weight. Rollers of this type can be made light or heavy, according to the requirements of your lawn. Can be filled as required.

Width	Diam.	Weight empty	With	With sand	Price f.o.b. San Francisco
24 inches.	.18 inches	85 lbs	.300 lbs	.450 lbs	\$19 50 23 50 27 00

GARDEN HOSE

We carry nothing but the best in Garden Hose. Made especially for us, branded and stamped with our name. Guaranteed. Express only.

Morse's Rawhide. Double, double-molded Hose.	er ft.
½-inch, 25-foot lengths, coupled\$	0 16
½-inch, 50-foot lengths, coupled	15
3/4-inch, 25-foot lengths, coupled	18
3/4-inch, 50-foot lengths, coupled	17
Morse's Venus. Double, single-molded Hose. A slightly	
cheaper Hose, but one that we can recommend.	
½-inch, 25-foot lengths, coupled	14
½-inch, 50-foot lengths, coupled	13
3/4-inch, 25-foot lengths, coupled	16
3/4-inch, 50-foot lengths, coupled	15
Special prices for large quantities. Odd lengths, I cent per foot ex	xtra.
HOSE NOZZLES.	Each
Boston. All brass. The best nozzle Postpaid\$	0 90
Ross. Fan-shaped; very fine sprayPostpaid	90
Brass Rose. Round; very fine spray Postpaid	85
HOSE CLAMPS. Brass, 1/2 and 3/4-inch Postpaid	10

The state of the s	
HOSE COUPLINGS, Clincher.	Cach
1/4-inch Postpaid to Fourth Zone \$0 3/4-inch Postpaid to Fourth Zone Postpaid to Fourth Zone	40
r-inch	40 10
¾-inch 1-inch	10 15
Cooper's. All brass. ½-inch	20
3/4-inch	20 25
HOSE-MENDING OUTFIT, MORSE'S. For rubber patching. 10 menders	40
HOSE WASHERS. In packages of 12	10
Postpaid, doz., 15 cts	
HOSE-REEL, Handy-lite. A very handy Hose-Reel, easy to handle and will keep your hose in good condition 2	00
LAWN SPRINKLERS	
Sunshine Tripod No. 3. Mounted on large tripod, with two	75
arms, corona a magaritation and	50
Sunshine No. 2. with pipe sled	
Buckner No. 1. Rotary; for gardens and lawns; solid brass. A splendid Sprinkler	50
Buckner No. 2. Rotary; for large lawns and putting-greens; two arms; with four outlets. Suitable for golf-links	00
	50
Wilgus Twin LawnPostpaid	40
Wilgus No. 1. With side opening	50 50
A full line of Wilgus Sprinklers carried. Write us for pamphle	
same.	
WEEDER, Small Hand. 1-inch teeth, 6-inch handle\$	25
3 · · · · · · · · · · · · · · · · · · ·	1 50
FORKS, Long-handle. Heavy steel garden Fork By express. 2	2 00
D-handle. Solid steel garden Fork	
Short-handle. Garden Fork; 4 teeth; steel; handy tool LADIES' GARDEN SET. Containing long-handle hoe and	50
	2 25
TROWELS. 6-inch; long shank; polished steel	90
	co
Johnson. All steel; 6-inch	60 80
Johnson. All steel; 8-inch	80 25
Johnson. All steel; 8-inch	80
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch.	80 25 35 15 30
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch.	80 25 35 15 30 35
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. CRASS SICKLES, Steel. 75 cts. and	80 25 35 15 30 35 1 00
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel. 75 cts. and PRUNING SAWS, Curved.	80 25 35 15 30 35 1 00 1 50
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel	80 25 35 15 30 35 1 00 1 50
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel	80 25 35 15 30 35 1 00 1 50
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel. 75 cts. and PRUNING SAWS, Curved. Straight. GARDEN GLOVES. Soft, all-leather Glove. Pair, 75 cts. Twill back, soft-leather hand. Pair, 50 cts. Cotton glove with wrist-band. Pair, 15 cts.	80 25 35 15 30 35 1 00 1 50
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel. 75 cts. and PRUNING SAWS, Curved. Straight. GARDEN GLOVES. Soft, all-leather Glove. Pair, 75 cts. Twill back, soft-leather hand. Pair, 50 cts. Cotton glove with wrist-band. Pair, 15 cts. RUBBER PLANT SPRINKLERS. Large size. Small size.	80 25 35 15 30 35 1 00 1 50 1 25
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel. 75 cts. and PRUNING SAWS, Curved. Straight. GARDEN GLOVES. Soft, all-leather Glove. Pair, 75 cts. Twill back, soft-leather hand. Pair, 50 cts. Cotton glove with wrist-band. Pair, 15 cts. RUBBER PLANT SPRINKLERS. Large size. Small size. RUBBER PUTTY BULBS. GLAZING-MACHINES, Mastica.	80 25 35 15 30 35 1 00 1 50 1 25
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel. 75 cts. and PRUNING SAWS, Curved. Straight. GARDEN GLOVES. Soft, all-leather Glove. Pair, 75 cts. Twill back, soft-leather hand. Pair, 15 cts. Cotton glove with wrist-band. Pair, 15 cts. RUBBER PLANT SPRINKLERS. Large size. Small size. RUBBER PUTTY BULBS. GLAZING-MACHINES, Mastica. BAMBOO BROOMS. By express.	80 25 35 15 30 35 1 00 1 50 1 25
Johnson. All steel; 8-inch. Steel Riveted. 6-inch. Pressed Steel. 6-inch. Pressed Steel. Wood handle. Transplanting. 6-inch. Transplanting. 7-inch. GRASS SICKLES, Steel. 75 cts. and PRUNING SAWS, Curved. Straight. GARDEN GLOVES. Soft, all-leather Glove. Pair, 75 cts. Twill back, soft-leather hand. Pair, 50 cts. Cotton glove with wrist-band. Pair, 15 cts. RUBBER PLANT SPRINKLERS. Large size. Small size. RUBBER PUTTY BULBS. GLAZING-MACHINES, Mastica.	80 25 35 15 30 35 1 00 1 50 1 25

12-qt. By express. 6 75

Hand, Compressed-Air, Bucket, and Wheelbarrow Sprayers

ALL SPRAYERS ARE F. O. B. SAN FRANCISCO, UNLESS OTHERWISE NOTED





Morse's Compressed-Air Sprayer



Brown's Compressed-Air Sprayer

Morse's Tin Sprayer

No. 22. A well-made Tin' Sprayer, with a good plunger and protected nozzle. For spraying all insecticides, disinfectants, etc. 60 cts. each. Postpaid to Fourth Zone.

Brass Continuous Sprayer

No. 26-C. Easy to operate and gives a fine mist-like spray. Made of brass throughout. \$1.25 each. Packed and sent by mail, \$1.35.

Morse's Glass Sprayer

No. 101. A well-made Sprayer. The advantage of a Glass Sprayer is that container can be removed for cleaning purposes. 85 cts. each; by mail 15 cts. extra.

D & B Sprayer

Compressed-Air, 11/2 gallon capacity

No. 25. This is a new Sprayer, entirely different from others. Tested to 225 pounds pressure. Produces a fine, misty spray; automatic handle-control. Complete with 18-inch brass extension. \$4.50 each. Shipping weight 5½ pounds, packed.

Auto-Spray

No. 5. This is a wonderful pump Sprayer. Will throw a stream 20 feet, either fine or coarse spray.

Knapsack and Syringe, complete, \$8.25.

Syringe only, with bucket weight. This makes a very fine bucket pump. \$4.75 each. Complete outfit by express only. Syringe, weight 5 pounds.

Brown's Compressed-Air Sprayer

We can highly recommend Brown's Compressed-Air Sprayer, for all general purposes. Capacity 3 gallons; made of the very best material. Shipping weight 15 pounds.

No. 1-A. Brass Tank, with stop-cock. \$9 each.

No. 1-B. Brass Tank, Auto-pop. \$9.50 each.

No. 1-C. Galvanized Tank, with stop-cock. \$6.75 each.

No. 1-D. Galvanized Tank, Auto-pop. \$7.25 each.

Brass Extensions, 75 cts. each.

Brass Strainers, \$1.25 each.

King Barrel Pump

A powerful Pump, made of the very best material, with agitator. Complete with hose and nozzle. \$15 each.

Morse's Compressed-Air Sprayer

This is one of the best made Sprayers on the market. Nozzle is of solid brass, self-cleaning point, and absolutely a tight shut-off. Patented nozzle gives a fine, mist-like, whirling spray. Holds 4 gallons; made of heavy galvanized or brass. Tested for 250 pounds pressure.

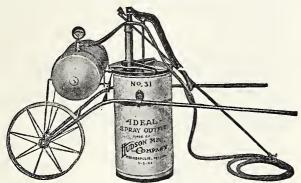
Galvanized, \$7 each; Brass, \$10 each. 2-foot brass extension rods for same, \$1.25 each.

English Garden Syringe

Polished brass, adjustable plunger, \$6, \$7, \$8 each, according to size.

SPRAYERS, continued

ALL SPRAYERS AND TOOLS ON THIS PAGE ARE F. O. B. SAN FRANCISCO, UNLESS OTHERWISE LISTED



Ideal Spray Outfit No. 31

Ideal Spray Outfit No. 31

A strong, durable wheelbarrow sprayer. Particularly desirable for whitewashing and every form of spraying. Pump cylinder of seamless brass. Tank capacity, 15 gallons. Wheels, 20 inches in diameter. Bronze valves; agitator heavy swinging type; frame heavy steel tubing. Air-tank, boiler iron, tested to 275 pounds pressure. Pressure gauge reading to 200 pounds. Complete with 15-foot hose, 8-foot iron-pipe extension, fog nozzle, and leakless shut-off. Complete, \$45 each.



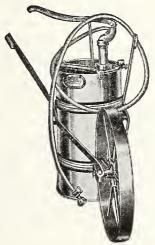
Holmes' Powder Duster

Holmes' Powder Dusters

Made in three sizes, with reversible nozzle. The best hand Duster for applying all dry powder insecticides. Throws a cloud-like dust over a large area. See cut. No. 6, \$3.25 each; No. 8, \$4 each; No. 10, \$5 each. Weights, packed, 3 pounds, 4 pounds, and 5 pounds respectively.

Auto Spray No. 40-D

A very convenient wheel-sprayer for all purposes, and especially adapted for whitewashing large buildings. Pressure, 170 pounds. Capacity 12 gallons. Can highly recommend this Sprayer. \$30 each. Extension rods, same as for No. 3-D, 60 cts. each.



Auto Spray No. 3-D



Auto Spray No. 40-D

Auto Spray No. 3-D

General-purpose, orchard, field and whitewash Sprayer. Galvanized tank, capacity 12 gallons. With truck and 20-inch wheel. Pressure, 150 pounds to inch. \$25 each. Extension rods, 2 ft. 8 in., 60 cts. each.

Hayes' Wheel Barrel Sprayer

Very heavy, powerful pump; sprays trees, bushes and all garden crops. Whitewashes barns, poultry-houses, etc. All parts made of the very best material. \$32.50 each.

Dusters

Tin Duster, Lowell's. \$1 each. Postpaid to Fourth Zone. Tin Dust Sifter. 75 cts. each. Postpaid to Fourth Zone. Floradora Gun. 50 cts. each. Postpaid to Fourth Zone.

HORTICULTURAL SUPPLIES

Most of the horticultural supplies should be sent by express, with the exception of small items, which can be sent by mail. It is impossible to give weights on all these things, but when ordering and enclosing remittance, we will charge only the actual charge of postage, and the remainder will be returned.

BAMBOO CANES.	Doz.	100
4 ft		\$1 50
5 ft		1 75 2 25
7 ft		2 75
Painted green, suitable for carnations and pot plant		
2 ft		75
GARDEN STAKES. Made of redwood painted greer	1.	Doz.
3 ft		.\$1 00
4 ft		
5 ft		
GRAFTING WAX. Lion Prand. 1/4lb. 15 cts.; lb. 40 cts.	½ lb. 2	5 cts.;

Snow's. In bricks. Lb. 35 cts.; 10 lbs. \$3.

GLAZING PUTTY. For glazing greenhouses. 5 gals. \$5; 10 gals. \$8; 20, 40 and 60 gals., 75 cts. per gal.

GLAZING POINTS. Made of zinc; never rust. For greenhouse use. 5%- and ½-inch. Lb. 65 cts.

Perfection Double Points. Lb. 85 cts.

FLOWER-POTS, FERN-DISHES, SEED-PANS.

·	Each	Doz.	100
3-inch	. \$0 05	\$0 40	\$3 25
4-inch		60	5 00
5-inch		80	6 25
6-inch		1 00	8 00
7-inch		1 40	11 00
8-inch.		2 25	17 50
			22 50
9-inch			35 00
10-inch		7 50	60 00
r2-inch, fluted	. 80	7 30	00 00

HORTICULTURAL SUPPLIES, continued

Τ

SAUCERS. Each	ı 1	.0	100
4-inch\$0 0			\$3 50
J IIICII	7	60	5 00
o men	8	75	7 00
/ McM:::::::::::::::::::::::::::::::::::	0	90	8 00
O-Inch			13 00
9 McM	-		16 00
20 111011111111111111111111111111111111	-		20 00
12-inch 5	0 4	00	35 00
Larger sizes quoted on request. Packing extra at	cost.		

FLOWER-POTS, PAPER, NEPONSET-ROUND.

	per 100	,			1,000
2½-inch1½	lbs		. \$0	75	\$6 25
	lbs				
4 -inch4	lbs		. 1	60	14 00
5 -inch $6\frac{1}{2}$	lbs		. 2	35	21 50

GRANT'S SQUARE FOLDED PAPER POTS.

Weight per 100 1	00	1,0	00
1½ x 1½ x 4 inches	60	\$4	50
2 x 2 x 4 inches		5	
2 x 2 x 6 inches	90	7	00
$3 \times 3 \times 6$ inches	30	11	00
3 x 3 x 8 inches	50	12	50

RAFFIA, IMPORTED. Good long strands. Lb. 35 cts.; 10 lbs. \$3. Write for prices in larger quantities.

WOODEN LABELS. For trees, pots and gardens.

	Weight	Unpainted	Pair	ited
	per 1,000	1,000	1,000	100
3½-in. Iron wire	. 4 1/4 lbs	\$2 25	\$2 65	\$0 35
3½-in. Copper wire	. 4 1/4 lbs	2 65	3 00	40
4 -in. Pot			2 25	35
5 -in. Pot			2 90	40
6 -in. Pot			3 40	45
8 -in. Pot			10 00	1 10
10 -in, Garden			12 50	1 35
12 -in. Gården			15 00	1 60

TREE PROTECTORS—YUCCA FIBER.

44 GIGIIL				
Length Width per 100	25	50	100	1,000
24 in7 in22 lbs	. \$0 75	\$1 20	\$2 20	\$20 00
18 in7 in13 lbs	. 65	1 00	1 80	16 50
16 in7 in12 lbs		95	1 65	15 00
14 in7 in10 lbs	. 55	90	1 55	14 00
12 in7 in 9 lbs		85	1 45	13 00
			•	

WIRE HANGING-BASKETS. chaser's risk. Packing extra		
6-inch 8-inch 10-inch 12-inch	 \$0 20 25 30	\$2 00

MOSS, OREGON GREEN. Especially suitable for hanging-baskets. Under 10 lbs., lb. 20 cts. Broken Bale, lb. 15 cts.; Bale (about 84 lbs.) \$7.50.

MOSS, SPHAGNUM. Lb. 20 cts. Prices on larger quantities on request.

THERMOMETERS. Postpaid, at purchaser's risk.	Each
Greenhouse Style. 7½-in. Spirit or Mercury	\$0 35
Greenhouse Style. 9½-in. Spirit or Mercury	60
Hotbed. Enameled face; 15-in	1 75
Hotbed. Plain face; 14-in	
Hotbed. All metal; 13-in	
Maximum and Minimum	3 00

PABCO PRUNING PASTE. May be applied immediately after pruning. It adheres firmly to the wood, no matter how green or moist; very durable and will not crack. Pt. 35 cts.; qt. 55 cts.; gal. \$1.80.

VINE STAPLES. The right shaped staple for holding vines in place. Lb. 35 cts.; ½lb. 20 cts. Postage 5 cts. extra.

GAS BALL RODENT KILLER. These Gas Balls are very effective for the extermination of gophers, squirrels, and other rodents. Doz. 40 cts.; carton (125) \$2.75. Weight per doz., 2 lbs.; carton, 11 lbs.

MORSE'S GOPHER POISON. Poisoned grain and raisins for destroying gophers, squirrels, etc. Scientifically prepared in the laboratories of the John F. Leinen Chemical Company, for C. C. Morse & Co. Pkt. 35 cts.; lb. 60 cts.; 5 lbs. \$2.35. Special prices on large quantities by express.

GOPHER TRAPS, MACABEE. The well-known wire trap, that goes in the hole. Postpaid 25 cts.

Ward or Novelty. Postpaid 25 cts.

Double-Catch Box Trap. Catches both large and small gophers.
Postpaid 75 cts.

GOPHER GUN. Never fail. Using 38 blank cartridge. Absolutely safe to operate. Directions with each. Postpaid \$1.75.

MOLE TRAP, Reddick. \$1.10.

English Pattern. One of the best traps for moles ever offered. Galvanized, 50 cts. each, postpaid.

FERTILIZERS-

All fertilizers, etc., listed below are priced f. o. b. San Francisco, unless otherwise stated. Will quote on larger quantities on application. Goods subject to market changes

STANDARD FERTILIZER. One of our best all-around Fertilizers for flowers, vegetables, and all garden plants. Sold in cloth bags. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4.

ODORLESS LAWN DRESSING. A lawn dressing that we can highly recommend. Good soil-builder and plant-food. For lawns use three pounds per 100 square feet three times each year. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.25; 50 lbs. \$2; 100 lbs. \$3.50.

SUPERPHOSPHATE. This is used very extensively on heavy soils for all truck gardening, and should be used in conjunction with all animal manures. 5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. \$1; 50 lbs. \$1.75; 100 lbs. \$3.

GROUND BONE-MEAL. An excellent fertilizer for all gardening purposes; particularly adapted for fruit trees, roses, and all nursery stock. Should be forked in the soil in the fall if possible. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.25; 50 lbs. \$2; 100 lbs. \$3.50.

GROZ-IT. Pulverized sheep and cow manure. No odor, dried, ready for use. Exceptionally good if used in conjunction with super-phosphate for lawns, golf greens, and gardens generally. 100 lbs. \$2.25; 500 lbs. \$10; ½ton \$17.50.

NITRATE OF SODA. Should be used very carefully. One table-spoonful to a gallon of water. Produces foliage abundantly. Lb. 15 cts.; 2 lbs. 25 cts.; 10 lbs. 75 cts.; 25 lbs. \$1.50; 100 lbs. \$5; original sacks, 200 lbs. each, \$9.

GROMORE. A complete fertilizer for all crops. For house plants it is unequaled. Put up in 1-pound and 2-pound fancy cartons at 20 cts. and 40 cts. each; 25-lb. sack \$2.25; 125-lb. sack \$10.

STIM- O-PLANT

STIM-U-PLANT. A concentrated fertilizer in tablet form. The most modern, efficient and scientific method of fertilizing growing plants. Guaranteed analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, and 15 per cent potash. Full directions with each package. 10 tablets 15 cts.; 30 tablets 25 cts.; 100 tablets 75 cts., postpaid.

VITAMITE. The only bacteria yet discovered that is applicable to all plant life. Mixing with 25 times its volume of earth will secure a thorough distribution of bacteria over the area spread. Five pounds of Vitamite is sufficient to inoculate an acre of ground. Lb. 60 cts.; 5 lbs. \$2.75; 100 lb. sack, 40 cts. per lb. Circular sent on request.

POTTING SOIL. Per sack, \$1.25.

HOLLAND PEAT. In original bales (about 85 lbs.) \$6 per bale. CALIFORNIA HUMUS (Delta Brand). Good for mixing with light or sandy soil, and a good fertilizer in general. Sack \$1.50; 5 sacks \$6.50.

PURE BLOOD AND BONE-MEAL AND BLOOD-MEAL. Prices sent on request.

INSECTICIDES

All insecticides should be sent by express or freight. Only those marked mailable can be sent by mail. All prices quoted are f. o, b. San Francisco. Larger quantities quoted on request. Subject to market changes.

- BLACK-LEAF 40. Nicotine sulphate. 40 per cent nicotine. This is the insecticide that is so highly recommended by experiment stations. It destroys aphis (plant lice), thrips, leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also apple red bug, pear psylla and similar soft-bodied sucking insects—all without injury to foliage. May be combined with other sprays. Highly recommended. Soluble in water—easy to mix—does not clog nozzles. Complete directions with each package. You can not go wrong by ordering Black-Leaf 40 for sucking insects. Oz. 35 cts. (makes 6 gallons of spray); ½lb. \$1.25 (makes 40 to 120 gallons); 2 lbs. \$3.50 (makes 160 to 500 gallons); 10 lbs. \$13.50 (makes 800 to 2,000 gallons).
- APHINE. A good insecticide for use against all plant-lice and sucking insects, white fly, red spider, etc. 1/4pt. can, 30 cts.; 1/2pt. 50 cts.; pt. 80 cts.; qt. \$1.25; gal. \$3.50.
- APHIS PUNK. For destroying many forms of insect life on plants and flowers. To be burned as a fumigator. Can, 12 sheets, 80 cts. Weight I lb.; mailable.
- ARSENATE OF LEAD, DRY. May be used as a powder or sprayed. For spraying, use 2-to 3 pounds to 100 gallons of water. ½lb. 30 cts.; lb. 50 cts.; 4 lbs. \$1.25; 20 lbs. \$4.50.
- BORDEAUX MIXTURE (Fungo-Bordo). The most generally used spray for blight, mildew, curly leaf, pear scab, etc. Use 6 to 8 pounds to 50 gallons of water. Lb. 45 cts.; 5 lbs. \$1.50; 25 lbs. \$5.50.
- WHALE-OIL SOAP. Dissolved in water makes an excellent spray for ferns and palms, or as a spreader for all wet insecticides. Lb. can 30 cts.; 10 lbs. \$2; 25 lbs. \$3.75.
- WHALE-OIL SOAP, LIQUID. Prices on application.
- FISH-OIL SOAP. Lb. 20 cts.; 10 lbs. \$1.60.
- SULPHO-TOBACCO SOAP. 3 ozs. 10 cts.; 8 ozs. 20 cts.

- CANN'S CANCO "A". A dormant spray for brown apricot scale, San José scale, Italian pear scale, red spider, and mealy bug. Four gallons to 200 gallons of water. Full directions with each can. Pt. 75 cts.; qt. \$1; ½gal. \$1.50; gal. \$2.50. For large quantities write for prices.
- LIME-SULPHUR, DRY. New dry lime-sulphur, an effective control against scale insects and fungous diseases. Use 12 pounds to 50 gallons of water for dormant spraying. For summer spraying 3 pounds to 50 gallons in conjunction with arsenate of lead. Lb. 35 cts.; 5 lbs. \$1.35; 10 lbs. \$2.35.
- KEROSENE EMULSION. For scale, green lice, etc. Qt. cans 50 cts.; gal. cans \$1.25.
- NICO-FUME LIQUID. Contains 40 per cent nicotine. A good spray against all aphis. 1/4lb. 75 cts.; lb. \$2.25; 4 lbs. \$8; 8 lbs. \$15.
- MELROSINE. The best insecticide for killing all rose bugs. Trial size 60 cts.; pt. \$1.10; qt. \$1.85.

- NICO-FUME PAPER. Strongly saturated with nicotine. One sheet is destructive to insects over an area of 2,000 feet. Airtight cans (24 sheets) \$1.25; weight 1½ lbs. 144 sheets \$5.50; weight 4 lbs. 288 sheets \$10.
- QUA-SUL. For mildew, curly leaf, and soil treatment. We can highly recommend Qua-Sul as an insecticide spray, and also as a cleanser on root diseases on trees and all plants. Circular sent on request. Sold in bottles. 4 ozs. 25 cts.; qt. \$1; gal. \$4.
- TREE TANGLEFOOT. Is a sticky compound, most effective against crawling insects on fruit, shade, and ornamental trees. Fine for tree surgery and application after pruning or trimming. No mixing required, and will keep for years. Lb. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4.25.
- **VERMINE.** For destroying maggots, worms, and grubs. **Qt. \$1.25**; **gal. \$3.60**.
- WEED-KILLER, SURE-SHOT. Kills morning-glories, Johnson grass, and all obnoxious weeds. Qt. 85 cts.; gal. \$2.50; 5 gals. \$12.50.
- WEED-KILLER, HERBICIDE. Kills weeds and destroys all vegetation. The best for walks, driveways, etc. Qt. 90 cts.; gal. \$2.60.
- MORSE'S COMPLETE INSECT POWDER. For red spider, aphis, leaf-eating insects, mildew, etc. Recommended to use dry, but can also be used as a wet spray. Lb. 35 cts.; 10 lbs. \$3; 50 lbs. \$14; 100 lbs. \$25; f. o. b. San Francisco. Prices subject to change.
- NICOTINE SULPHUR DUST, 5X. Especially good for aphis, thrips, leaf-hoppers. Lb. 35 cts.; 5 lbs. \$1.35; 10 lbs. \$2.50.
- NICOTINE DUST No. 6. For melon aphis and other purposes where a strong mixture without sulphur content is required. Lb. 35 cts.; 5 lbs. \$1.35; 10 lbs. \$2.50.
- NICOTINE DUST No. 10. For more resistant aphis and other purposes, Lb. 40 cts.; 5 lbs. \$1.75; 10 lbs. \$3.

 Analysis of the above on every package, or supplied on application.
- TOBACCO DUST, EXTRA-FINE. For dusting around shrubs and beds as a preventative against slugs and other pests. Lb. 25 cts.; 10 lbs. \$2; 25 lbs. \$3.75; 100 lbs. \$12.50.
- FINE TOBACCO DUST. Lb. 15 cts.; 10 lbs. 90 cts.; 100 lbs.
- TOBACCO DUST, COARSE. For garden use or for dusting chickennests. Lb. 10 cts.; 10 lbs. 75 cts.; 100 lbs. \$5.
- SULPHUR, POWDERED. Our special dusting Sulphur for red spider, mildew, and all purposes where sulphur is used. Lb. 15 cts.; 10 lbs. \$1; sack lots (110 lbs.) \$5.50.
- **GRAPE DUST.** For the control of mildew and rot on grapes, roses, etc. **Lb. 40 cts.**; **5 lbs. \$1.25.**
- SLUG SHOT. Destroys slugs, cabbage worms, caterpillars, and poultry lice. Lb. 30 cts.; 5 lbs. 80 cts.; 10 lbs. \$1.55.
- PARIS GREEN. 1/4lb. 25 cts.; 1/2lb. 40 cts.; lb. 70 cts.; 2 lbs. \$1.25.

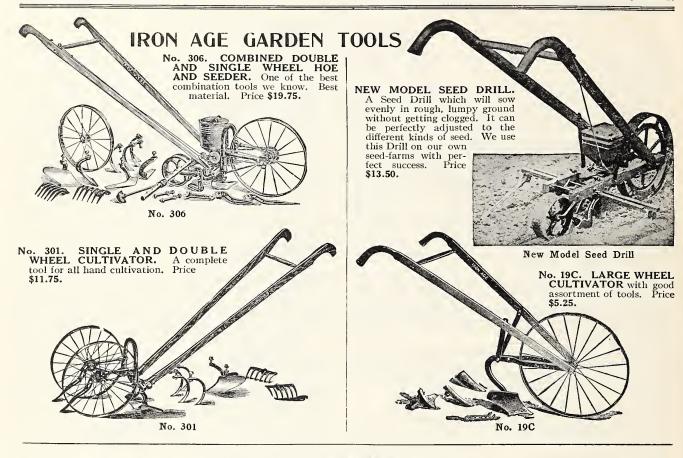
NURSERY DEPARTMENT

Orders given us for nursery stock of all kinds, including Roses, Fruit Trees, etc., will be filled by the Vallance Nursery Co., 81 Glen Ave., Oakland, Calif.

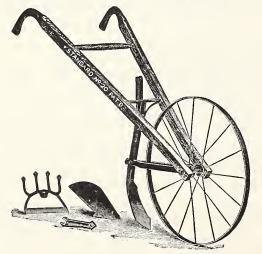
The stock sent out by this firm we know to be dependable, well packed and delivered in good condition.

Orders placed direct with the Vallance Nursery Co., may be ordered sent to our store, 125 Market St., San Francisco, for the convenience of our customers who desire to call for their stock.

Plants of Strawberries, Berries, and all Small Fruits, can be had at our store, where we carry a large stock during the planting season.



STANDARD GARDEN TOOLS



STANDARD No. 20. The old easy-running, Big-wheel Cultivator, and sold at a very low price. A new feature is the Midget Seeder, which can be attached to this wheel. Price \$5. Complete with Seeder, \$9.

STANDARD No. 13. SINGLE AND DOUBLE WHEEL CULTIVATOR

Wheels are 16 inches high. Tools comprise four cultivating teeth, two hoes, and two plows. Price \$10.



STANDARD No. 9. HILL AND DRILL SEEDER, SINGLE AND DOUBLE WHEEL HOE. Seeds accurately, and has special attachment

for placing seed in very narrow row, making subsequent cultivation easy. Quickly changed to

Prices F. O. B. San Francisco

INDEX

.7		nuch 1	PAGE	DACE
PAGE	Chives 6	Gilliflower 51	Lychnis 45	Red-Hot-Poker Plant . 40
Abronia	Chrysanthemum 39	Gladioli 55	Mandevilla 45	Reseda 45
Abutilon	Cineraria 39	Globe Amaranth 42	Mangel-Wurzel 5	Rhodanthe 49
Acroclinium	Clarkia 39	Gloxinia 42	Maple, Flowering 35	Rhubarb 20, 23
Adonis	Cleome	Godetia 42	Marigold 45	Ricinus
Ageratum	Clematis 40	Golden Feather 49	Marigold, Pot 37	Romneya 49
Agrostemma 35	Clover	Goldenrod 42	Maritimum 35	Rose of Heaven . 35, 52
Alfalfa	Cobæa	Gomphrena 42	Matthiola 45	Roselle 23
Alfilaria 32	Cockscomb 38	Good Night 43	Matricaria 41, 45	Rudbeckia 49
Alonsoa 35	Coleus 40	Gourds 42	Maurandia 45	Sage, Flowering 40
Alyssum 35	Collards 7	Grains	Mesembryanthemum . 43	Sainfoin 32
Amarantus 35	Collinsia 40	Grasses, Lawn 30	Mignonette 45	Salpiglossis 49
Ampelopsis 37	Columbine 40	Grasses, Ornamental . 42	Millet 32	Salt Bush, Australian .32
Anemone 35	Coneflower 49	Grasses, Pasture Mix-	Milo 33	Salvia 49
Anchusa 35	Convolvulus 46	ture of	Mimulus 45	Salsify 24
Apple, Balsam 45	Coreopsis 39	Grass Seed 31	Mina 45	Satin Flower 43
Aquilegia 40	Corn, Broom 33	Gumbo 19	Momordica 45	Scabiosa 49
Arctotis 35	Corn, Egyptian, or Je-	Gypsophila 43	Money Plant 43	Schizanthus 49
Aristolochia 35	rusalem 33	Harebell, Carpathian . 38	Monkey Flower 45	Sedum 49
Armeria 35	Corn, Field 10	Helenium 43	Moonflower 43	Shallu
Artichokes 3, 20	Corn, Kaffir	Helianthus 50	Morning-Glory 46	Shears
Arum 55	Corn Salad 7	Helichrysum 43	Morning-Glory, Brazil-	Snapdragon 50 Sneezewort 35
Asparagus 3, 20, 35	Corn, Sweet 2, 9	Heliotrope 43	ian 43	Solanum 50
Asters 34, 36 Aster, Cornflower 50	Cornflower 39	Hemp	Mourning Bride 49 Mushroom Spawn 16	Solanum 50 Solidago
Aster, Cornflower 50	Cosmos 40	Herbs	Muskmelon 15, 16	Sorghums 33
Baby Blue-Eyes 46	Cover-Crop and Green-	cinal, and Pot 27	Musk Plant 45	Sorghums
Baby's Breath 42	Manure Crops 32		Mustard	Smilax 50
Bachelor's Button 39	Cowpeas 32	Hesperis 51 Hibiscus 43	Mustard	Spider Plant, Giant 39
Balloon Vine 37	Cress	Hollyhock 34, 43	Nasturtiums 46	Spinach 25
Balsam	Cucumber	Honesty 43	Nemesia 46	Sprayers 60, 61
Bartonia	Cyclamen 40	Hop, Iapanese 43	Nemophila	Sprinklers, Lawn 59
Beans	Cypress, Summer	Hops 20	Nicotiana 46	Squash 25
Bean, Hyacinth 41	Cypress Vine 40	Hose, Garden 59	Nigella	Statice 50
Bean, Soja 32	Dahlias 40, 56, 57	Horse-Radish 20	Enothera	Stevia 50
Bean, Velvet 32	Dahlia, Sea 44	Horticultural Sup-	Okra 19	Stock, Evening-scented 45
	Daisy, African	plies 61, 62	Old Maid's Pincushion 49	Stokesia 50
Begonia 37 Bellflower, Chimney 38	Daisy, Double 37	Hunnemannia 43	Onion 18, 19	Stocks 51
Bellflower, Chinese 35	Daisy, Michaelmas 36	Humulus 43	Oyster, Vegetable 24	Stocks, Virginian 52
Bellflower, Japanese . 38	Daisy, Shasta 40	Iberis	Pansies 47	Stonecrop, Blue 49
Bellis	Daisy, Swan River 37	Ice Plant 43	Pansies, Tufted 52	Strawberry 20
Beet, Sea Kale 5	Daisy, Transvaal 51	Immortelles	Parsley 20	Strawflowers 50
Beets 5	Dallis Grass 32	Impatiens 43	Parsnips 20	Strawflowers 50 Sunflower 32, 50
Beets, Stock 5	Dandelion 11	Incarvillea 43	Paspalum 32	Sweet Scabious 49
Beets, Sugar 5	Dianthus 41, 51	Insecticides 63	Passiflora 47	Sweet Peas 34, 53, 54
Black-eyed Susan 51	Digitalis 41	Ipomœa 40, 43	Passion Flower 47	Sweet Rocket 51
Bluebottle 39	Dimorphotheca . 41	Ivy, Boston 37	Peas 2	Sweet Sultan 39
Books for California . 36	Dolichos 35	Ivy, Japanese 37	Pea, Perennial 44	Sweet William 51
Borecole	Dusty Miller 39	1vy, Kenilworth 43	Pea Vine, Australian . 35	Tares
Brachycome 37	Dutchman's Pipe 35	Jasmine, Chilean . 45	Peach Bells 38	Teosinte 32
Broccoli 5	Eggplant 12, 20	Joseph's Coat	Pear, Balsam 45	Thunbergia 51
Browallia 37	Emmer 32	Kale	Peas	Tithonia 51
Brussels Sprouts 5	Endive	Kale, Jersey or Cow . 32	Peas, Field 32	Tobacco 26
Buckwheat 32	Escarolle	Kaulfussia 43	Peas, Niles 32	Tobacco, Flowering . 46
Bugle Vine 37	Eschscholtzia 41	Knives 58	Pentstemon 48	Tools, Garden . 58, 59, 64
Cabbage 6, 20	Eschscholtzia, Bush 43	Kochia	Pepper Grass 7	Tomatoes 2, 20, 26
Cabbage, Chinese 6	Esparcet	Kohtrabi 12	Peppers 20, 22	Tree Seeds 52
Calampelis 37	Evening Glory 43	Kudzu Vine 43	Periwinkle, Madagas-	Tritoma 51 Tropæolum 37
Calandrinia	Everlasting Flowers	Ladies' Eardrop . 42	car 52	Tuberoses 55
Calceolaria 37	35, 41, 43, 49, 52	Lady's Slipper 37 Lantana 44	Petunias 48 Pheasant's Eye 35	Turnips
Calendula	Farmogerm 33 Farm Seeds 29–33	Lantana	Phlox 48	Valerian
Canary-Bird Flower 37	Fennel	Larkspur 44	Physalis 18	Vegetable Novelties . 2
Candytuft 37	Fertilizers 62	Lathyrus 44	Physalis 48 Pinks	Vegetable Seeds 3-28
Canna	Feterita	Lavender 44	Plants and Roots, Vege-	Verbena, Lemon 44
Cantaloupe 15, 16	Fetticus	Lavender, Sea 50	table 20	Verbena, Sand 35
Canterbury Bells 38	Feverfew 41, 45	Lawn Mowers 59	Platycodon 38	Verbenas 52
Cardinal Flower 44	Flax, Flowering 44	Lawn Rollers 59	Poppy 48	Vetches
Cardoon 6	Floss Flower 35	Leeks	Poppy, California . 41, 49	Vinca 52
Carnation 38	Flower Novelties 34	Leonurus 44	Portulaca 49	Violas 52
Carrots 7	Flower Seeds 35-54	Leptosyne 44	Potatoes, Seed 28	Violet 52
Cassaba 16	Forget-me-not 42	Lettuce 13, 14	Potatoes, Sweet 20	Viscaria 52
Castor-Oil Bean 38	Four o'Clock 42	Lilies, Calla 55	Potentilla 49	Vitamite
Cauliflower 8, 20	Foxglove	Linaria 44	Primrose 49	Wallflower 52 Watermelon 17
Celeriac 7	Fuchsia 42	Linum	Primrose, Evening 46	Watermelon 17
Celery 8, 20	Gaillardia 42	Lion's Tail 44	Primula 49	Wheat, Egyptian 33
Celery, Turnip-rooted . 7	Garden Tools, Iron Age 64	Lobelia 44	Prince's Feather 35	Wild-Flower Collection,
Celosia 38	Garlic	Love Grass 46	Pueraria 43	California 52
Centaurea 39	Gentian 42	Love-in-a-Mist 46	Pumpkin	Wistaria 52 Woolflower, Chinese . 38
Chard, Swiss 5	Gentiana 42	Love-in-a-Puff 37	Pyrethrum 49	Xeranthemum 52
Cheiranthus	Geranium 42	Love-lies-bleeding 35	Radish	Yarrow 35
Cherry, Jerusalem 50	Gerbera 51	Lupins 45	Ranunculus 49	Zinnia 52
Chervil 6	Geum 42	Lupinus 45	Rape 32	2
Chicory 7	Gilia 42			N. T. C.

